

No.	Co-authors	Article title	Keywords	Vol., No., pp.	DOI	Citation
1	Rathnasiri, P., Jayasena, S., Siriwardena, M.	Assessing the applicability of green building information modelling for existing green buildings	green building information modeling, existing green buildings, energy simulation	15, 6, 763-776	https://doi.org/10.18280/ijdne.150601	Rathnasiri, P., Jayasena, S., Siriwardena, M. (2020). Assessing the applicability of green building information modelling for existing green buildings. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 763-776. https://doi.org/10.18280/ijdne.150601
2	Telli, G.D., Altafini, C.R., Costa, C.A., Rosa, J.S., Rocha, L.A.O., Lorenzini, G.	Experimental study of a dual-fuel generator set operating on diesel fuel direct injected and hydrous ethanol fumigation at different loads	dual-fuel combustion, fumigation, ethanol, diesel fuel, compression ignition engine, internal combustion engine, emissions	15, 6, 777-784	https://doi.org/10.18280/ijdne.150602	Telli, G.D., Altafini, C.R., Costa, C.A., Rosa, J.S., Rocha, L.A.O., Lorenzini, G. (2020). Experimental study of a dual-fuel generator set operating on diesel fuel direct injected and hydrous ethanol fumigation at different loads. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 777-784. https://doi.org/10.18280/ijdne.150602
3	Ram Fez-Guerrero, G., Garcé I-Onetti, J., Chica-Ruiz, J.A., Arcila-Garrido, M.	Concrete as heritage: The social perception from heritage criteria perspective	concrete-based heritage, cultural tourism, Eduardo Torroja, Eduardo Torroja Institute, tourist potential, Zarzuela hippodrome	15, 6, 785-791	https://doi.org/10.18280/ijdne.150603	Ram Fez-Guerrero, G., Garcé I-Onetti, J., Chica-Ruiz, J.A., Arcila-Garrido, M. (2020). Concrete as heritage: The social perception from heritage criteria perspective. <i>The Eduardo Torroja's work. International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 785-791. https://doi.org/10.18280/ijdne.150603
4	Vahdatpour, S., Ariaei, A.R.	Effect of air-shaft partition walls' arrangement on structural behaviour and construction technology of wind catchers in Iran	construction technology, four-sided wind catchers, main air-shaft partition walls, wind catcher's structural behaviour, Yazd, Iran	15, 6, 793-803	https://doi.org/10.18280/ijdne.150604	Vahdatpour, S., Ariaei, A.R. (2020). Effect of air-shaft partition walls' arrangement on structural behaviour and construction technology of wind catchers in Iran. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 793-803. https://doi.org/10.18280/ijdne.150604
5	Jin, X.H., Zhang, L.B., Gong, J.K., Zhu, C.X., Wang, H., Li, X.Y.	Smoke prevention and exhaust system for buildings based on performance-oriented design	emerging buildings, smoke prevention and exhaust (SPE) system, performance-oriented design, water curtain system, optimization strategy	15, 6, 805-812	https://doi.org/10.18280/ijdne.150605	Jin, X.H., Zhang, L.B., Gong, J.K., Zhu, C.X., Wang, H., Li, X.Y. (2020). Smoke prevention and exhaust system for buildings based on performance-oriented design. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 805-812. https://doi.org/10.18280/ijdne.150605
6	Zhou, Q.S., Qu, K.G., Zhang, Y.Z., Deng, J., Wang, W.J.	Demand-supply balance of the nitrogen nutrients converted from regional agricultural organic wastes for agricultural utilization	agricultural organic wastes (AOWs), livestock and poultry (LP) manures, crop straws, nitrogen nutrients, demand-supply balance	15, 6, 813-819	https://doi.org/10.18280/ijdne.150606	Zhou, Q.S., Qu, K.G., Zhang, Y.Z., Deng, J., Wang, W.J. (2020). Demand-supply balance of the nitrogen nutrients converted from regional agricultural organic wastes for agricultural utilization. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 813-819. https://doi.org/10.18280/ijdne.150606
7	Cardinale, T., Sposato, C., Alba, M.B., Feo, A., Leter, G., De Fazio, P.	The BIOCEM project: The industrial valorization of a patent through the "Proof of Concept" program	AAC, thermal performance, lightweight material, eco-friendly, porosity, energy optimization, sustainability	15, 6, 821-827	https://doi.org/10.18280/ijdne.150607	Cardinale, T., Sposato, C., Alba, M.B., Feo, A., Leter, G., De Fazio, P. (2020). The BIOCEM project: The industrial valorization of a patent through the "Proof of Concept" program. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 821-827. https://doi.org/10.18280/ijdne.150607
8	Tavarov, S.S., Sidorov, A.I.	Improving energy efficiency by household consumers in the Republic of Tajikistan based on the developed forecasting method	energy efficiency, urban electrical networks, household consumer, forecasting method	15, 6, 829-834	https://doi.org/10.18280/ijdne.150608	Tavarov, S.S., Sidorov, A.I. (2020). Improving energy efficiency by household consumers in the Republic of Tajikistan based on the developed forecasting method. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 829-834. https://doi.org/10.18280/ijdne.150608
9	Wang, H.Q., Cheng, S.	Spatiotemporal variation in land use of Northeast China Tiger and Leopard National Park	land use, spatiotemporal variation, eco-environment, Northeast China Tiger and Leopard National Park (NCLNLP)	15, 6, 835-842	https://doi.org/10.18280/ijdne.150609	Wang, H.Q., Cheng, S. (2020). Spatiotemporal variation in land use of Northeast China Tiger and Leopard National Park. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 835-842. https://doi.org/10.18280/ijdne.150609
10	Adda, A., Hanihi, S., Bezari, S., Ameer, H., Maouedj, R.	Managing and control of nanofiltration / reverse osmosis desalination system: Application of artificial neural network	semiconductors, solar materials, PV cells, artificial neural network, nano-filtration, NF/SWRO, seawater	15, 6, 843-853	https://doi.org/10.18280/ijdne.150610	Adda, A., Hanihi, S., Bezari, S., Ameer, H., Maouedj, R. (2020). Managing and control of nanofiltration / reverse osmosis desalination system: Application of artificial neural network. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 843-853. https://doi.org/10.18280/ijdne.150610
11	Naim, M.Y., Pramodhyo, H., Harahab, N., Nodjeng, S., Syam, S.	Effect of hybrid resources on management outcomes micro-hydro power plants in remote areas	administration, solar energy, water energy, hybrid system, power generation, Common-Pool-Resources	15, 6, 855-864	https://doi.org/10.18280/ijdne.150611	Naim, M.Y., Pramodhyo, H., Harahab, N., Nodjeng, S., Syam, S. (2020). Effect of hybrid resources on management outcomes micro-hydro power plants in remote areas. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 855-864. https://doi.org/10.18280/ijdne.150611
12	Liu, L.L., Liu, J., He, Z.Q., Liu, H.L., Zhou, C., Yan, X.G., Sun, X.J.	Multi-objective optimization of structural parameters for rotary flow jetting tool based on orthogonal experiment	orthogonal experiment, jet flow, vortex flow jetting tool, drainage gas recovery	15, 6, 865-871	https://doi.org/10.18280/ijdne.150612	Liu, L.L., Liu, J., He, Z.Q., Liu, H.L., Zhou, C., Yan, X.G., Sun, X.J. (2020). Multi-objective optimization of structural parameters for rotary flow jetting tool based on orthogonal experiment. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 865-871. https://doi.org/10.18280/ijdne.150612
13	Letzow, M., Lorenzini, G., Barbosa, D.V.E., Hibner, R.G., Rocha, L.A.O., Gomes, M.D.N., Isoldi, L.A., dos Santos, E.D.	Numerical analysis of the influence of geometry on a large scale onshore oscillating water column device with associated seabed ramp	available power, Constructral Design, numerical simulation, OWC, wave energy	15, 6, 873-884	https://doi.org/10.18280/ijdne.150613	Letzow, M., Lorenzini, G., Barbosa, D.V.E., Hibner, R.G., Rocha, L.A.O., Gomes, M.D.N., Isoldi, L.A., dos Santos, E.D. (2020). Numerical analysis of the influence of geometry on a large scale onshore oscillating water column device with associated seabed ramp. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 873-884. https://doi.org/10.18280/ijdne.150613
14	Ding, Y.C., Xiang, Z.F., Li, Y.Y., Zhang, X.S., Zhou, Y.	Mechanical system evolution and reasonable structural design parameters of long-span deck-type beam-arch composite rigid frame bridge	beam-arch composite rigid frame (BACRF) bridge, mechanical system evolution, rise-span ratio, torsion-span ratio, reasonable structure	15, 6, 885-893	https://doi.org/10.18280/ijdne.150614	Ding, Y.C., Xiang, Z.F., Li, Y.Y., Zhang, X.S., Zhou, Y. (2020). Mechanical system evolution and reasonable structural design parameters of long-span deck-type beam-arch composite rigid frame bridge. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 885-893. https://doi.org/10.18280/ijdne.150614
15	Elguerri, M., Belfodil, F., El Guerri, Y., Bouragha, A.	3D transient spray cooling heat transfer simulation for metallic slabs of various alloys	alloy, heat transfer, simulation, slabs, spray cooling, transient, tree-dimension, simulation	15, 6, 895-904	https://doi.org/10.18280/ijdne.150615	Elguerri, M., Belfodil, F., El Guerri, Y., Bouragha, A. (2020). 3D transient spray cooling heat transfer simulation for metallic slabs of various alloys. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 895-904. https://doi.org/10.18280/ijdne.150615
16	Yu, J., Gu, H.B., Chi, B.M., Shan, W.F., Wang, M.Y.	Visibility graph complex network analysis on seismic-induced variation in groundwater level of Nanxi Well, China	groundwater, earthquake, visibility graph (VG), time series, state space	15, 6, 905-911	https://doi.org/10.18280/ijdne.150616	Yu, J., Gu, H.B., Chi, B.M., Shan, W.F., Wang, M.Y. (2020). Visibility graph complex network analysis on seismic-induced variation in groundwater level of Nanxi Well, China. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 905-911. https://doi.org/10.18280/ijdne.150616
17	Abdurrahman, R., Syafitri, R.M.A., Ridwan, A., Utami, L.P.	Bio-pellets manufacture from palm fruit skin as renewable alternative fuels in updraft type gasification furnaces	Indragiri Hilir, biomass, Nipah fruit skin, gasification furnaces, bio-pellet	15, 6, 913-920	https://doi.org/10.18280/ijdne.150617	Abdurrahman, R., Syafitri, R.M.A., Ridwan, A., Utami, L.P. (2020). Bio-pellets manufacture from palm fruit skin as renewable alternative fuels in updraft type gasification furnaces. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 913-920. https://doi.org/10.18280/ijdne.150617
18	Huang, J.	An evaluation model for green manufacturing quality of children's furniture based on artificial intelligence	artificial intelligence (AI), children's furniture, green manufacturing, quality evaluation	15, 6, 921-930	https://doi.org/10.18280/ijdne.150618	Huang, J. (2020). An evaluation model for green manufacturing quality of children's furniture based on artificial intelligence. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 921-930. https://doi.org/10.18280/ijdne.150618
19	de Oliveira, A.P., Lorenzini, G., Shah, Z., Klunk, M.A., de Carvalho Lima, J.E., Rocha, L.A.O., Caetano, N.R.	Hierarchical criticality analysis of clean technologies applied to a coal-fired power plant	mineral coal, combustion, clean technologies, thermoelectric power	15, 5, 609-619	https://doi.org/10.18280/ijdne.150501	de Oliveira, A.P., Lorenzini, G., Shah, Z., Klunk, M.A., de Carvalho Lima, J.E., Rocha, L.A.O., Caetano, N.R. (2020). Hierarchical criticality analysis of clean technologies applied to a coal-fired power plant. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 609-619. https://doi.org/10.18280/ijdne.150501
20	Poch, E.S.S., Castresana, U.L., de la Fuente Arana, A.	Traditional cultural heritage vs. film sceneries: Evaluating the degree of sustainability of cultural landscapes	cultural heritage, cultural landscape, film sceneries, film tourism, indicators of sustainable development, degree of conciliation	15, 5, 621-630	https://doi.org/10.18280/ijdne.150502	Poch, E.S.S., Castresana, U.L., de la Fuente Arana, A. (2020). Traditional cultural heritage vs. film sceneries: Evaluating the degree of sustainability of cultural landscapes. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 621-630. https://doi.org/10.18280/ijdne.150502
21	Yan, S.Q., Wang, Q.K., Wang, H.F., Qiu, S.L., Zeng, Z.Q., Fang, Y.	Strength control factors of chlorite schist under schistose structure	rock mechanics, chlorite schist, bedding angle, moisture condition, weathering state	15, 5, 631-637	https://doi.org/10.18280/ijdne.150503	Yan, S.Q., Wang, Q.K., Wang, H.F., Qiu, S.L., Zeng, Z.Q., Fang, Y. (2020). Strength control factors of chlorite schist under schistose structure. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 631-637. https://doi.org/10.18280/ijdne.150503
22	Luciani, S., Coccia, G., Tomasetti, S., Pierantozzi, M., Di Nicola, G.	Use of an indoor solar flash test device to evaluate production loss associated to specific defects on photovoltaic modules	flash test, I-V curve, infrared thermography, bypass diode, hot-spot, crack	15, 5, 639-646	https://doi.org/10.18280/ijdne.150504	Luciani, S., Coccia, G., Tomasetti, S., Pierantozzi, M., Di Nicola, G. (2020). Use of an indoor solar flash test device to evaluate production loss associated to specific defects on photovoltaic modules. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 639-646. https://doi.org/10.18280/ijdne.150504

23	Latif, S.D., Azmi, M.S.B.N., Ahmed, A.N., Fai, C.M., El-Shafie, A.	Application of artificial neural network for forecasting nitrate concentration as a water quality parameter: A case study of Feitsui reservoir, Taiwan	water quality parameter, artificial neural network (ANN), nitrate concentration, Feitsui reservoir	15, 5, 647-652	https://doi.org/10.18280/ijndne.150505	Latif, S.D., Azmi, M.S.B.N., Ahmed, A.N., Fai, C.M., El-Shafie, A. (2020). Application of artificial neural network for forecasting nitrate concentration as a water quality parameter: A case study of Feitsui reservoir, Taiwan. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 647-652. https://doi.org/10.18280/ijndne.150505
24	Qi, Q., Song, S.B.	Measurement and influencing factors of industrial water resource utilization efficiency in Yangtze River Economic Belt	Yangtze River Economic Belt (YREB), industrial water resource utilization efficiency (IWRUE), influencing factors, stochastic block model (SBM), Tobit model	15, 5, 653-658	https://doi.org/10.18280/ijndne.150506	Qi, Q., Song, S.B. (2020). Measurement and influencing factors of industrial water resource utilization efficiency in Yangtze River Economic Belt. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 653-658. https://doi.org/10.18280/ijndne.150506
25	Louiza, H., Zeroual, A.	Management and valorization of urban solid waste: Landfills of the Batna city case	urban solid waste, recovery, management principles, recycling, landfills, energy valorisation	15, 5, 659-665	https://doi.org/10.18280/ijndne.150507	Louiza, H., Zeroual, A. (2020). Management and valorization of urban solid waste: Landfills of the Batna city case. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 659-665. https://doi.org/10.18280/ijndne.150507
26	Shi, T.T., Chen, Z.H., Wang, Q., Zhang, W., Luo, M.M., Wang, N.T.	Features of oxygen and hydrogen isotopes in waters from the karst mountains, Xiangxi River Basin	environmental isotopes, karst mountains, hydrologic cycle, spatiotemporal variation, Xiangxi River Basin	15, 5, 667-675	https://doi.org/10.18280/ijndne.150508	Shi, T.T., Chen, Z.H., Wang, Q., Zhang, W., Luo, M.M., Wang, N.T. (2020). Features of oxygen and hydrogen isotopes in waters from the karst mountains, Xiangxi River Basin. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 667-675. https://doi.org/10.18280/ijndne.150508
27	Vaidyanathan, R., Fattepur, G., Guttal, R.C.	Method to retrieve bionic morphologies by spectral matching for the design space	bionic design, eigen modes, computational geometry, conceptual design, design optimisation, nature-inspired design	15, 5, 677-684	https://doi.org/10.18280/ijndne.150509	Vaidyanathan, R., Fattepur, G., Guttal, R.C. (2020). Method to retrieve bionic morphologies by spectral matching for the design space. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 677-684. https://doi.org/10.18280/ijndne.150509
28	Ding, D., Zhang, L., Liu, J.L., Chen, F., Si, X.R.	Design and implementation of a comprehensive evaluation model for shallow groundwater based on matter element extension	water quality evaluation, groundwater, matter element extension, comprehensive evaluation method	15, 5, 685-689	https://doi.org/10.18280/ijndne.150510	Ding, D., Zhang, L., Liu, J.L., Chen, F., Si, X.R. (2020). Design and implementation of a comprehensive evaluation model for shallow groundwater based on matter element extension. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 685-689. https://doi.org/10.18280/ijndne.150510
29	Muneer, A.S., Sayl, K.N., Kamel, A.H.	Modeling of runoff in the arid regions using remote sensing and geographic information system (GIS)	runoff, infiltration, Geographic Information System (GIS), Remote Sensing (RS), Artificial Neural Network (ANN), Soil Conservation Service-Curve Number (SCS-CN), water resources management	15, 5, 691-700	https://doi.org/10.18280/ijndne.150511	Muneer, A.S., Sayl, K.N., Kamel, A.H. (2020). Modeling of runoff in the arid regions using remote sensing and geographic information system (GIS). <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 691-700. https://doi.org/10.18280/ijndne.150511
30	Wang, P.S., Ding, H.Y., Zhang, P.Y.	Shaking table tests and numerical analysis on the seismic response of karst-crossing socketed piles in dry sandy soil foundation	dry sandy soil foundation, pile-soil interaction, karst cave, shaking table test	15, 5, 701-709	https://doi.org/10.18280/ijndne.150512	Wang, P.S., Ding, H.Y., Zhang, P.Y. (2020). Shaking table tests and numerical analysis on the seismic response of karst-crossing socketed piles in dry sandy soil foundation. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 701-709. https://doi.org/10.18280/ijndne.150512
31	Ansar, M., Bahrudin, Darman, S., Paiman.	Application of bokashi fertilizer and duration of water supply to increase growth, yields, and quality of shallot in dryland	shallot, organic fertilizer bokashi, watering, dryland	15, 5, 711-719	https://doi.org/10.18280/ijndne.150513	Ansar, M., Bahrudin, Darman, S., Paiman. (2020). Application of bokashi fertilizer and duration of water supply to increase growth, yields, and quality of shallot in dryland. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 711-719. https://doi.org/10.18280/ijndne.150513
32	Loumani, A., Larbi, A.A., Mediani, A., Chaouch, W.B., Moungar, H., Tigan, C., Meriama, F., Djaber, A., Bekada, A.M.A.	Experimental measurement of isothermal sorption, microbiological and physicochemical analysis of dried tomatoes cultivated in Adrar, Algeria	hygienic quality, product, conservation, drying solar, gravimetric method, isosteric heats, tomato, GAB and bet models	15, 5, 721-728	https://doi.org/10.18280/ijndne.150514	Loumani, A., Larbi, A.A., Mediani, A., Chaouch, W.B., Moungar, H., Tigan, C., Meriama, F., Djaber, A., Bekada, A.M.A. (2020). Experimental measurement of isothermal sorption, microbiological and physicochemical analysis of dried tomatoes cultivated in Adrar, Algeria. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 721-728. https://doi.org/10.18280/ijndne.150514
33	Chen, G., Cai, L., Zong, L., Wang, Y., Yuan, X.	Survey of marine organisms based on passive acoustic technology	marine organisms, passive acoustic technology (PAT), digital signal processing, feature extraction	15, 5, 729-737	https://doi.org/10.18280/ijndne.150515	Chen, G., Cai, L., Zong, L., Wang, Y., Yuan, X. (2020). Survey of marine organisms based on passive acoustic technology. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 729-737. https://doi.org/10.18280/ijndne.150515
34	Najm, A.B.A., Abdulhameed, I.M., Sulaiman, S.O.	Water requirements of crops under various Kc coefficient approaches by using Water Evaluation and Planning (WEAP)	WEAP-Model, Dual-Kc approach, Single-Kc approach, water requirements of crops, effect of soil texture on irrigation intervals	15, 5, 739-748	https://doi.org/10.18280/ijndne.150516	Najm, A.B.A., Abdulhameed, I.M., Sulaiman, S.O. (2020). Water requirements of crops under various Kc coefficient approaches by using Water Evaluation and Planning (WEAP). <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 739-748. https://doi.org/10.18280/ijndne.150516
35	Huang, H.Y., Wu, G.Y., Gong, Y.	Distribution law of water pressure on the lining in tunnels with water blocking and drainage control design	tunnel, water pressure on the lining (WPOL), distribution law, permeability	15, 5, 749-755	https://doi.org/10.18280/ijndne.150517	Huang, H.Y., Wu, G.Y., Gong, Y. (2020). Distribution law of water pressure on the lining in tunnels with water blocking and drainage control design. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 749-755. https://doi.org/10.18280/ijndne.150517
36	Abdulqader, O.Q., Ahmed, J.A.	Relationships between interior and exterior spaces as a factor of efficient university buildings	interior design, university buildings, educational buildings comfortable space, green design, users' needs	15, 5, 757-762	https://doi.org/10.18280/ijndne.150518	Abdulqader, O.Q., Ahmed, J.A. (2020). Relationships between interior and exterior spaces as a factor of efficient university buildings. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 757-762. https://doi.org/10.18280/ijndne.150518
37	Borsos, Á., Hendrix, T., Lovig, D., Sadouk, N., Zoltán, E.S., Medvegy, G., Bachmann, E.	Lounge designs for the Budapest office of a multinational company	lounges, office-space architecture, open-plan design, reducing office stress, work health, workplace recreation areas	15, 4, 455-463	https://doi.org/10.18280/ijndne.150401	Borsos, Á., Hendrix, T., Lovig, D., Sadouk, N., Zoltán, E.S., Medvegy, G., Bachmann, E. (2020). Lounge designs for the Budapest office of a multinational company. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 455-463. https://doi.org/10.18280/ijndne.150401
38	Okhrimenko, V., Glebova, M.	Methodology calculation for reactive power compensation in industrial enterprises	compensation, loss of electrical energy, reactive power, reduced costs	15, 4, 465-471	https://doi.org/10.18280/ijndne.150402	Okhrimenko, V., Glebova, M. (2020). Methodology calculation for reactive power compensation in industrial enterprises. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 465-471. https://doi.org/10.18280/ijndne.150402
39	Burggräf, P., Dannapfel, M., Esfahani, M.E., Schwamborn, N.	How to improve collaboration efficiency in the built environment of factories by using an integrated factory modelling concept – An expert study	BIM, collaboration, design, expert study, factory, factory design, design	15, 4, 473-481	https://doi.org/10.18280/ijndne.150403	Burggräf, P., Dannapfel, M., Esfahani, M.E., Schwamborn, N. (2020). How to improve collaboration efficiency in the built environment of factories by using an integrated factory modelling concept – An expert study. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 473-481. https://doi.org/10.18280/ijndne.150403
40	Li, C., Cai, Y.	Effect of soil strength degradation on slope stability	bank slope, strength degradation, long-term saturation, slope stability	15, 4, 483-489	https://doi.org/10.18280/ijndne.150404	Li, C., Cai, Y. (2020). Effect of soil strength degradation on slope stability. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 483-489. https://doi.org/10.18280/ijndne.150404
41	Prihatini, R., Saleh, N.M.	The stimulated growth of tissue cultured banana and slipper orchid as exposed to extremely low frequency electromagnetic field	antioxidant activity, catalase, ELF-EMF, glutathione reductase, in vitro plant, superoxide dismutase	15, 4, 491-497	https://doi.org/10.18280/ijndne.150405	Prihatini, R., Saleh, N.M. (2020). The stimulated growth of tissue cultured banana and slipper orchid as exposed to extremely low frequency electromagnetic field. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 491-497. https://doi.org/10.18280/ijndne.150405
42	Benabderrahmane, F., Draoui, B., Douha, M., Kaid, N., Merabti, A., Sahli, A., Moungar, H.	The lattice Boltzmann method use to simulate natural convection in a single-chapel greenhouse	greenhouse, natural convection, heat transfer, modeling, lattice Boltzmann method	15, 4, 499-505	https://doi.org/10.18280/ijndne.150406	Benabderrahmane, F., Draoui, B., Douha, M., Kaid, N., Merabti, A., Sahli, A., Moungar, H. (2020). The lattice Boltzmann method use to simulate natural convection in a single-chapel greenhouse. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 499-505. https://doi.org/10.18280/ijndne.150406
43	Wang, L., Xue, R., Cai, N., Wu, W., Niu, M.M., Zhang, D.L.	Application of least squares meshless method in multi-component high-speed non-equilibrium reaction jet	least squares (LS), meshless method, multi-component chemical reaction, artificially upstream flux vector splitting (AUFVS) scheme	15, 4, 507-514	https://doi.org/10.18280/ijndne.150407	Wang, L., Xue, R., Cai, N., Wu, W., Niu, M.M., Zhang, D.L. (2020). Application of least squares meshless method in multi-component high-speed non-equilibrium reaction jet. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 507-514. https://doi.org/10.18280/ijndne.150407
44	Tarrad, M., Ssour, S.	Applications of green architecture in vernacular dwelling architecture-a case study from Jordan	dwelling building, environmental architecture, vernacular architecture, green architecture, society community, Jordan	15, 4, 515-522	https://doi.org/10.18280/ijndne.150408	Tarrad, M., Ssour, S. (2020). Applications of green architecture in vernacular dwelling architecture-a case study from Jordan. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 515-522. https://doi.org/10.18280/ijndne.150408

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46	Ma, F.R., Luo, H., Liao, Y., Zhang, X.G.	Simulation tests on load bearing features of mudstone foundation in project lifecycle	mudstone, load bearing features, project lifecycle, soft rock	15, 4, 533-538	https://doi.org/10.18280/ijedne.150410	Ma, F.R., Luo, H., Liao, Y., Zhang, X.G. (2020). Simulation tests on load bearing features of mudstone foundation in project lifecycle. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 533-538. https://doi.org/10.18280/ijedne.150410
47	Ma, F.R., Luo, H., Liao, Y., Zhang, X.G.	Impacts of temperature, precipitation and population growth on energy demands of Delhi	climate change, decadal population growth, electricity demand, energy demand	15, 4, 539-544	https://doi.org/10.18280/ijedne.150411	Ma, F.R., Luo, H., Liao, Y., Zhang, X.G. (2020). Impacts of temperature, precipitation and population growth on energy demands of Delhi. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 539-544. https://doi.org/10.18280/ijedne.150411
48	Duan, L.S., Xiang, M.S., Yang, J., Wei, X.H., Wang, C.J.	Eco-environmental assessment of earthquake-stricken area based on Pressure-State-Response (P-S-R) model	eco-environment state, remote sensing (RS), earthquake, geological disaster, analytic network process (ANP)	15, 4, 545-553	https://doi.org/10.18280/ijedne.150412	Duan, L.S., Xiang, M.S., Yang, J., Wei, X.H., Wang, C.J. (2020). Eco-environmental assessment of earthquake-stricken area based on Pressure-State-Response (P-S-R) model. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 545-553. https://doi.org/10.18280/ijedne.150412
49	El Ouardi, E.M., Zeroual, A., Khalloq, K., Darfi, S., Jedaa, A.	Impact of washing followed by calcination on the quality of Bouchane phosphate of Morocco	enrichment, Bouchane phosphate, calcination, washing, quality	15, 4, 555-563	https://doi.org/10.18280/ijedne.150413	El Ouardi, E.M., Zeroual, A., Khalloq, K., Darfi, S., Jedaa, A. (2020). Impact of washing followed by calcination on the quality of Bouchane phosphate of Morocco. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 555-563. https://doi.org/10.18280/ijedne.150413
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53	Pagiu, S., Ramlan, Belo, T.I., Patadungan, Y.S.	Land index and production of Arabica coffee (Coffea arabica L.) in smallholding plantation of Tana Toraja District, Indonesia	land suitability class, land index, Arabica coffee, production, income	15, 4, 587-592	https://doi.org/10.18280/ijedne.150417	Pagiu, S., Ramlan, Belo, T.I., Patadungan, Y.S. (2020). Land index and production of Arabica coffee (Coffea arabica L.) in smallholding plantation of Tana Toraja District, Indonesia. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 587-592. https://doi.org/10.18280/ijedne.150417
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85	Lv, C.M., Zhang, H., Wang, X., Liu, J.L.	Regional water circulation health evaluation system based on artificial neural network	BP artificial neural network, healthy regional water circulation, evaluation index	15, 2, 211-217	https://doi.org/10.18280/ijdne.150211	Lv, C.M., Zhang, H., Wang, X., Liu, J.L. (2020). Regional water circulation health evaluation system based on artificial neural network. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 2, pp. 211-217. https://doi.org/10.18280/ijdne.150211
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90	Saeed, A.A., Mullahwaish, L.T.	Effect of green areas density on real estate price in Ramadi city	Ramadi city, parks, plaza, orchard, real estate, price	15, 2, 253-259	https://doi.org/10.18280/ijdne.150216	Saeed, A.A., Mullahwaish, L.T. (2020). Effect of green areas density on real estate price in Ramadi city. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 15, No. 2, pp. 253-259. https://doi.org/10.18280/ijdne.150216
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114	Sørensen, A., Bøgren, M., Schumde, U.	How do cities of different sizes in Europe work with sustainable development?	creativity, identity, rural, small city, sustainable, sustainable development	14, 4, 287-298	https://doi.org/10.2495/DNE-V14-N4-287-298	Sørensen, A., Bøgren, M., Schumde, U. (2019). How do cities of different sizes in Europe work with sustainable development? <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 4, pp. 287-298. https://doi.org/10.2495/DNE-V14-N4-287-298
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118	Small, G.E., Mcdougall, R., Metson, G.S.	Would a sustainable city be self-sufficient in food production?	cost-benefit analysis, sustainability, resilience, trade-offs, urban agriculture	14, 3, 178-194	https://doi.org/10.2495/DNE-V14-N3-178-194	Small, G.E., Mcdougall, R., Metson, G.S. (2019). Would a sustainable city be self-sufficient in food production? <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 3, pp. 178-194. https://doi.org/10.2495/DNE-V14-N3-178-194
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122	Ladiana, D., Sivo, M.D.	Programmed conservation of historical and architectural heritage. Tools for optimising a process based on knowledge and information	historical-architectural heritage, preventive maintenance, maintenance technologies, HBIM	14, 3, 229-240	https://doi.org/10.2495/DNE-V14-N3-229-240	Ladiana, D., Sivo, M.D. (2019). Programmed conservation of historical and architectural heritage. Tools for optimising a process based on knowledge and information. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 3, pp. 229-240. https://doi.org/10.2495/DNE-V14-N3-229-240
123	Borsos, Á., Balogh, J., Kokas, B., Bachmann, B.	An eco-approach to modularity in urban living	eco-friendly building, modularity, prefabrication, urban living.	14, 2, 83-90	https://doi.org/10.2495/DNE-V14-N2-83-90	Borsos, Á., Balogh, J., Kokas, B., Bachmann, B. (2019). An eco-approach to modularity in urban living. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 2, pp. 83-90. https://doi.org/10.2495/DNE-V14-N2-83-90
124	Poulsen, M., Lauring, M.	The historical influence of landscape, ecology and climate on Danish low-rise residential architecture	architectural history, bioclimatic design, climate adaptation, climate change, vernacular design	14, 2, 91-102	https://doi.org/10.2495/DNE-V14-N2-91-102	Poulsen, M., Lauring, M. (2019). The historical influence of landscape, ecology and climate on Danish low-rise residential architecture. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 2, pp. 91-102. https://doi.org/10.2495/DNE-V14-N2-91-102
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126	Delplino-Chamy, M., Alarcon, M., Fernández, S., Soto, J.	Methodology to identify and assess agroecological practices in metropolitan areas. Case study, Concepción, Chile	agroecology, metropolitan areas, metropolitan sustainability, Rururban interstices, socio-political organization	14, 2, 119-130	https://doi.org/10.2495/DNE-V14-N2-119-130	Delplino-Chamy, M., Alarcon, M., Fernández, S., Soto, J. (2019). Methodology to identify and assess agroecological practices in metropolitan areas. Case study, Concepción, Chile. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 2, pp. 119-130. https://doi.org/10.2495/DNE-V14-N2-119-130
127	Patil ñ, E., Torreblanca-D ñz, D.A., Valencia-Escobar, A., Zuleta, A.	Classification, characterization and abstraction of vegetable surfaces for design	abstraction, analogy, biomimicry, bio-inspiration, design, plant surfaces, textures.	14, 2, 131-146	https://doi.org/10.2495/DNE-V14-N2-131-146	Patil ñ, E., Torreblanca-D ñz, D.A., Valencia-Escobar, A., Zuleta, A. (2019). Classification, characterization and abstraction of vegetable surfaces for design. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 2, pp. 131-146. https://doi.org/10.2495/DNE-V14-N2-131-146
128	Marques, B., Tadeu, A., Almeida, J., Ant ño, J.	Experimental characterisation of cement-based composites with rice husk	rice husk, vegetable fibres, cement composites, sustainable materials	14, 2, 147-153	https://doi.org/10.2495/DNE-V14-N2-147-153	Marques, B., Tadeu, A., Almeida, J., Ant ño, J. (2019). Experimental characterisation of cement-based composites with rice husk. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 2, pp. 147-153. https://doi.org/10.2495/DNE-V14-N2-147-153
129	Al-Ghumaiz, N.S.	Sustainable agriculture in organic wheat (Triticum Aestivum L.) growing in arid region	arid region, conventional system, organic system, sustainable agriculture, wheat genotype.	14, 1, 1-6	https://doi.org/10.2495/DNE-V14-N1-1-6	Al-Ghumaiz, N.S. (2019). Sustainable agriculture in organic wheat (Triticum Aestivum L.) growing in arid region. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 1, pp. 1-6. https://doi.org/10.2495/DNE-V14-N1-1-6
130	Convertino, F., Vox, G., Schettini, E.	Heat transfer mechanisms in vertical green systems and energy balance equations	convection, evapotranspiration, green facades, green walls, modelling, solar radiation, urban agriculture	14, 1, 7-18	https://doi.org/10.2495/DNE-V14-N1-7-18	Convertino, F., Vox, G., Schettini, E. (2019). Heat transfer mechanisms in vertical green systems and energy balance equations. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 1, pp. 7-18. https://doi.org/10.2495/DNE-V14-N1-7-18
131	Tudoric, C.M., Gielen, E., Vall & Planells, M., Galiana, F.	Urban green indicators: a tool to estimate the sustainability of our cities	ecosystem services, green space indicators, sustainability, urban challenges, urban green infrastructure.	14, 1, 19-29	https://doi.org/10.2495/DNE-V14-N1-19-29	Tudoric, C.M., Gielen, E., Vall & Planells, M., Galiana, F. (2019). Urban green indicators: a tool to estimate the sustainability of our cities. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 1, pp. 19-29. https://doi.org/10.2495/DNE-V14-N1-19-29
132	Lee, T.I., Chou, Y.H., Huang, T.N.	Users' perceptions and attitudes towards edible campus	edible landscape, edible school, maintenance, productive space	14, 1, 30-40	https://doi.org/10.2495/DNE-V14-N1-30-40	Lee, T.I., Chou, Y.H., Huang, T.N. (2019). Users' perceptions and attitudes towards edible campus. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 1, pp. 30-40. https://doi.org/10.2495/DNE-V14-N1-30-40

133	Guerrero, P.D.H., Mata, L.M.M., Madrigal, P.B., Criollo, J.J.M.	Production and economic analysis of a Pop-Up Farm in Mexico City	cultivation table, low cost, mel bartholomew's system, rainwater, urban agriculture	14, 1, 41-51	https://doi.org/10.2495/DNE-V14-N1-41-51	Guerrero, P.D.H., Mata, L.M.M., Madrigal, P.B., Criollo, J.J.M. (2019). Production and economic analysis of a Pop-Up Farm in Mexico City. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 1, pp. 41-51. https://doi.org/10.2495/DNE-V14-N1-41-51
134	Baja, F.D.F., Bajracharya, S., Freeman, M.A., Gray, A.J., Haglund, B.T., Kuipers, H.R., Opatola, O.R.	LEED Gold but not equal: Two case study buildings	BREEAM, daylight analyses, energy modelling, LEED, post-occupancy evaluation, user surveys	14, 1, 52-62	https://doi.org/10.2495/DNE-V14-N1-52-62	Baja, F.D.F., Bajracharya, S., Freeman, M.A., Gray, A.J., Haglund, B.T., Kuipers, H.R., Opatola, O.R. (2019). LEED Gold but not equal: Two case study buildings. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 1, pp. 52-62. https://doi.org/10.2495/DNE-V14-N1-52-62
135	Williams, A.E., Williams, P.O.	Values-based architecture as a regenerative approach to the human-environment relationship	disconnection, modernity, regenerative architecture, sustainability, sustainable design, values, values-based architecture	14, 1, 63-74	https://doi.org/10.2495/DNE-V14-N1-63-74	Williams, A.E., Williams, P.O. (2019). Values-based architecture as a regenerative approach to the human-environment relationship. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 14, No. 1, pp. 63-74. https://doi.org/10.2495/DNE-V14-N1-63-74
136	Benis, K., Gashgari, R., Alsaati, A., Reinhart, C.	Urban Foodprints (UF)-Establishing baseline scenarios for the sustainability assessment of high-yield urban agriculture	baseline scenario, controlled-environment agriculture (CEA), sustainability assessment, urban foodprint, urban food system	13, 4, 349-360	https://doi.org/10.2495/DNE-V13-N4-349-360	Benis, K., Gashgari, R., Alsaati, A., Reinhart, C. (2018). Urban Foodprints (UF)-Establishing baseline scenarios for the sustainability assessment of high-yield urban agriculture. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 4, pp. 349-360. https://doi.org/10.2495/DNE-V13-N4-349-360
137	Miralles i Garcia, J.L.	New policies for the management of peri-urban agricultural spaces. The case of L'Horta de València (Spain)	agricultural heritage, agricultural land management	13, 4, 361-372	https://doi.org/10.2495/DNE-V13-N4-361-372	Miralles i Garcia, J.L. (2018). New policies for the management of peri-urban agricultural spaces. The case of L'Horta de València (Spain). <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 4, pp. 361-372. https://doi.org/10.2495/DNE-V13-N4-361-372
138	Gaxiola, I.E., Chalfoun, N.V., Moeller, C.	Architectural implementation of vegetated cover from agriculture for restoring human thermal comfort and mitigating the urban heat island effect in arid regions	fish-eye lens photograph, hemispherical photography, human thermal comfort, human view-factor, mean radiant temperature, urban agriculture, urban heat island	13, 4, 373-383	https://doi.org/10.2495/DNE-V13-N4-373-383	Gaxiola, I.E., Chalfoun, N.V., Moeller, C. (2018). Architectural implementation of vegetated cover from agriculture for restoring human thermal comfort and mitigating the urban heat island effect in arid regions. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 4, pp. 373-383. https://doi.org/10.2495/DNE-V13-N4-373-383
139	Blanco, I., Schettini, E., Vox, G.	Effects of vertical green technology on building surface temperature	air-conditioning, energy savings, green walls, regression model, urban agriculture, urban heat island	13, 4, 384-394	https://doi.org/10.2495/DNE-V13-N4-384-394	Blanco, I., Schettini, E., Vox, G. (2018). Effects of vertical green technology on building surface temperature. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 4, pp. 384-394. https://doi.org/10.2495/DNE-V13-N4-384-394
140	De Linares, P.G.	Comparing urban food systems between temperate regions and tropical regions-introducing urban agroforestry in temperate climates through the case of Budapest	Agro-ecology, food security, landscape architecture, sustainable food system	13, 4, 395-406	https://doi.org/10.2495/DNE-V13-N4-395-406	De Linares, P.G. (2018). Comparing urban food systems between temperate regions and tropical regions-introducing urban agroforestry in temperate climates through the case of Budapest. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 4, pp. 395-406. https://doi.org/10.2495/DNE-V13-N4-395-406
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142	Small, G., Shrestha, P., Kay, A.	The fate of compost-derived phosphorus in urban gardens	compost, nitrogen, nutrient leaching, nutrient recycling efficiency, phosphorus, urban agriculture, water quality	13, 4, 415-422	https://doi.org/10.2495/DNE-V13-N4-415-422	Small, G., Shrestha, P., Kay, A. (2018). The fate of compost-derived phosphorus in urban gardens. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 4, pp. 415-422. https://doi.org/10.2495/DNE-V13-N4-415-422
143	Rzevski, G.	Coevolution of technology, business and society	coevolution, complexity, emergence, selforganisation	13, 3, 231-237	https://doi.org/10.2495/DNE-V13-N3-231-237	Rzevski, G. (2018). Coevolution of technology, business and society. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 3, pp. 231-237. https://doi.org/10.2495/DNE-V13-N3-231-237
144	Engelseth, P., White, B.E.	On people and complexity in healthcare service supply	case studies, collaboration, complex systems engineering, complex systems, ecosystems, healthcare services, information systems, interdependencies, logistics, process emergence, supply chain management	13, 3, 238-249	https://doi.org/10.2495/DNE-V13-N3-238-249	Engelseth, P., White, B.E. (2018). On people and complexity in healthcare service supply. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 3, pp. 238-249. https://doi.org/10.2495/DNE-V13-N3-238-249
145	Barelkowski, R.	The beauty of architectural complexity	architectural idea (concept), architecture, beauty, complexity	13, 3, 250-259	https://doi.org/10.2495/DNE-V13-N3-250-259	Barelkowski, R. (2018). The beauty of architectural complexity. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 3, pp. 250-259. https://doi.org/10.2495/DNE-V13-N3-250-259
146	Kuehn, W.	Digital twins for decision making in complex production and logistic enterprises	digital enterprise, digital twin, factory simulation, virtual model	13, 3, 260-271	https://doi.org/10.2495/DNE-V13-N3-260-271	Kuehn, W. (2018). Digital twins for decision making in complex production and logistic enterprises. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 3, pp. 260-271. https://doi.org/10.2495/DNE-V13-N3-260-271
147	Rabasa, A., Mollá-Campello, N., Pérez-torregrosa, A.	Formal descriptive study for the extraction and comparison of tourist spending patterns	feature selection, pattern discovery, predictive tourism analysis	13, 3, 272-280	https://doi.org/10.2495/DNE-V13-N3-272-280	Rabasa, A., Mollá-Campello, N., Pérez-torregrosa, A. (2018). Formal descriptive study for the extraction and comparison of tourist spending patterns. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 3, pp. 272-280. https://doi.org/10.2495/DNE-V13-N3-272-280
148	Mitic, P.	A complexity framework for consensus and conflict	beta distribution, conflict, consensus, convergence, influence, resistance, sentiment, simulation	13, 3, 281-293	https://doi.org/10.2495/DNE-V13-N3-281-293	Mitic, P. (2018). A complexity framework for consensus and conflict. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 3, pp. 281-293. https://doi.org/10.2495/DNE-V13-N3-281-293
149	Ponziani, F.A., Tinaburri, A., Ricci, V.	Adaptive design: water curtains for layout finding in hub spaces	adaptation, CFD, complex systems, edge nozzle, fire, FSE, water curtain	13, 3, 294-306	https://doi.org/10.2495/DNE-V13-N3-294-306	Ponziani, F.A., Tinaburri, A., Ricci, V. (2018). Adaptive design: water curtains for layout finding in hub spaces. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 3, pp. 294-306. https://doi.org/10.2495/DNE-V13-N3-294-306
150	Budaev, D., Lada, A., Simonova, E., Skoblev, P., Travin, V., Yalovenko, O., Voshchuk, G., Zhilyaev, A.	Conceptual design of smart farming solution for precise agriculture	multi-agent technology, ontology, precise agriculture, real time, smart farming	13, 3, 307-314	https://doi.org/10.2495/DNE-V13-N3-307-314	Budaev, D., Lada, A., Simonova, E., Skoblev, P., Travin, V., Yalovenko, O., Voshchuk, G., Zhilyaev, A. (2018). Conceptual design of smart farming solution for precise agriculture. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 3, pp. 307-314. https://doi.org/10.2495/DNE-V13-N3-307-314
151	Dias, B.D.	Regenerative development-building evolutive capacity for healthy living systems	evolutionary systems thinking, regeneration, regenerative development, sustainability	13, 3, 315-323	https://doi.org/10.2495/DNE-V13-N3-315-323	Dias, B.D. (2018). Regenerative development-building evolutive capacity for healthy living systems. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 3, pp. 315-323. https://doi.org/10.2495/DNE-V13-N3-315-323
152	Sitnikov, D., Ryabov, O., Mishcheriakov, I., Kovalenko, A.	A rough set based algebraic approach to modelling complex systems	big data, complex system, knowledge discovery, rough set, system decomposition, uncertainty in data	13, 3, 324-329	https://doi.org/10.2495/DNE-V13-N3-324-329	Sitnikov, D., Ryabov, O., Mishcheriakov, I., Kovalenko, A. (2018). A rough set based algebraic approach to modelling complex systems. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 3, pp. 324-329. https://doi.org/10.2495/DNE-V13-N3-324-329
153	Furman, A.	Anticipating a fluid, dynamic interiority	affordances, anonymity, autonomous vehicles, display windows, glazing, interiority, mobility, privacy, public realm, public space design, streets, technology, the interior	13, 3, 330-340	https://doi.org/10.2495/DNE-V13-N3-330-340	Furman, A. (2018). Anticipating a fluid, dynamic interiority. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 3, pp. 330-340. https://doi.org/10.2495/DNE-V13-N3-330-340
154	Cialdea, D., Quercio, N.	A methodology for illegal settlements re-conversion	agricultural land, illegal settlements, landscape quality	13, 2, 147-155	https://doi.org/10.2495/DNE-V13-N2-147-155	Cialdea, D., Quercio, N. (2018). A methodology for illegal settlements re-conversion. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 2, pp. 147-155. https://doi.org/10.2495/DNE-V13-N2-147-155

155	Cruz Santos, G.	Characteristics of rodent outbreaks in the Low San Francisco Sergipano (Sergipe, Brazil) and influence of anomalies on sea surface temperature on temperatures in this region	'El Niño', Brazil, floodplain, lower san francise	13, 2, 156-165	https://doi.org/10.2495/DNE-V13-N2-156-165	Cruz Santos, G. (2018). Characteristics of rodent outbreaks in the Low San Francisco Sergipano (Sergipe, Brazil) and influence of anomalies on sea surface temperature on temperatures in this region. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 2, pp. 56-165. https://doi.org/10.2495/DNE-V13-N2-156-165
156	Gitelman, L.D., Ryzhuk, O.B., Kozhevnikov, M.V.	Visual analysis for conceptual design of complex systems	complex systems, concept, conceptual design, decomposition, model, multi-project, visual analysis, visual language, visualization	13, 2, 166-175	https://doi.org/10.2495/DNE-V13-N2-166-175	Gitelman, L.D., Ryzhuk, O.B., Kozhevnikov, M.V. (2018). Visual analysis for conceptual design of complex systems. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 2, pp. 166-175. https://doi.org/10.2495/DNE-V13-N2-166-175
157	Farkas, T.D., Király, T., Pardy, T., Rang, T., Rang, G.	Application of power line communication technology in street lighting control	intelligent lighting control, modulation techniques, power line communication, smart city, smart grid	13, 2, 176-186	https://doi.org/10.2495/DNE-V13-N2-176-186	Farkas, T.D., Király, T., Pardy, T., Rang, T., Rang, G. (2018). Application of power line communication technology in street lighting control. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 2, pp. 176-186. https://doi.org/10.2495/DNE-V13-N2-176-186
158	Skobelev, P.O., Lakhin, O.I.	Towards the digital platform and smart services for managing space traffic	digital platforms, ground stations, management of conflicts, networks of services, planning and control, real time, satellites, space traffic, spacecrafts	13, 2, 187-198	https://doi.org/10.2495/DNE-V13-N2-187-198	Skobelev, P.O., Lakhin, O.I. (2018). Towards the digital platform and smart services for managing space traffic. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 2, pp. 187-198. https://doi.org/10.2495/DNE-V13-N2-187-198
159	Engelseth, P., Gundersen, D.	Lean and complex systems: a case study of materials handling at an on-land warehouse facility supporting subsea gas operations	case study, complex systems, lean, material handling, Norwegian petroleum industry, services industry, warehouse management	13, 2, 199-207	https://doi.org/10.2495/DNE-V13-N2-199-207	Engelseth, P., Gundersen, D. (2018). Lean and complex systems: a case study of materials handling at an on-land warehouse facility supporting subsea gas operations. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 2, pp. 199-207. https://doi.org/10.2495/DNE-V13-N2-199-207
160	Gitelman, L.D., Gavrilova, T.B., Kozhevnikov, M.V., Starikov, E.M.	Ensuring resilience and agility of complex organizational-technical systems	agility, critical infrastructure, CURVE factors, organizational and technical system, Resilience, systems engineering	13, 2, 208-220	https://doi.org/10.2495/DNE-V13-N2-208-220	Gitelman, L.D., Gavrilova, T.B., Kozhevnikov, M.V., Starikov, E.M. (2018). Ensuring resilience and agility of complex organizational-technical systems. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 2, pp. 208-220. https://doi.org/10.2495/DNE-V13-N2-208-220
161	White, B.E.	Fathoming the future of artificially intelligent robots	artificial intelligence, behaviors, complex systems, complex systems engineering, families of robots, global issues, humans, jobs, robots, social systems	13, 1, 1-15	https://doi.org/10.2495/DNE-V13-N1-1-15	White, B.E. (2018). Fathoming the future of artificially intelligent robots. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 1-15. https://doi.org/10.2495/DNE-V13-N1-1-15
162	Bertotti, M.L., Chattopadhyay, A.K., Modanese, G.	Uncertainty dynamics in a model of economic inequality	additive and multiplicative noise, economic inequality, income distribution, social mobility	13, 1, 16-22	https://doi.org/10.2495/DNE-V13-N1-16-22	Bertotti, M.L., Chattopadhyay, A.K., Modanese, G. (2018). Uncertainty dynamics in a model of economic inequality. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 16-22. https://doi.org/10.2495/DNE-V13-N1-16-22
163	Warren Axelrod, C.	Integrating in-vehicle, vehicle-to-vehicle, and intelligent roadway systems	adaptive, autonomous, complex, complicated, driverless, in-vehicle, self-driving, self-organizing, systems-of-systems, vehicle and traffic control systems, vehicle-to-infrastructure, vehicle-to-vehicle.	13, 1, 23-38	https://doi.org/10.2495/DNE-V13-N1-23-38	Warren Axelrod, C. (2018). Integrating in-vehicle, vehicle-to-vehicle, and intelligent roadway systems. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 23-38. https://doi.org/10.2495/DNE-V13-N1-23-38
164	Skobelev, P., Budaev, D., Brankovsky, A.	Multi-agent tasks scheduling for coordinated actions of unmanned aerial vehicles acting in group	adaptability, coordinated control, drones, dynamic rescheduling, intelligence, multi-agent systems, real time, uav, unmanned aerial vehicle	13, 1, 39-45	https://doi.org/10.2495/DNE-V13-N1-39-45	Skobelev, P., Budaev, D., Brankovsky, A., Voschuk, G. (2018). Multi-agent tasks scheduling for coordinated actions of unmanned aerial vehicles acting in group. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 39-45. https://doi.org/10.2495/DNE-V13-N1-39-45
165	Barelkowski, R.	Design process as complex system	architectural design process, complex system, complexity, meta-design	13, 1, 46-59	https://doi.org/10.2495/DNE-V13-N1-46-59	Barelkowski, R. (2018). Design process as complex system. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 46-59. https://doi.org/10.2495/DNE-V13-N1-46-59
166	Esteve, M., Miró F., Rabasa, A.	Classification of tweets with a mixed method based on pragmatic content and meta-information	analysis, big data, classification, social networks	13, 1, 60-70	https://doi.org/10.2495/DNE-V13-N1-60-70	Esteve, M., Miró F., Rabasa, A. (2018). Classification of tweets with a mixed method based on pragmatic content and meta-information. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 60-70. https://doi.org/10.2495/DNE-V13-N1-60-70
167	Hoyland, C.A.	The reinforced enterprise business architecture (rebar) ontology	business plans, enterprise, knowledge management, ontology, semantic web, strategic goals, systems engineering	13, 1, 71-81	https://doi.org/10.2495/DNE-V13-N1-71-81	Hoyland, C.A. (2018). The reinforced enterprise business architecture (rebar) ontology. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 71-81. https://doi.org/10.2495/DNE-V13-N1-71-81
168	Porter, T.B., Reischer, R.	A complexity perspective on csr and sustainability: theory and a longitudinal case study	company responsibility, complexity theory, corporate social responsibility, high performance work systems, modern working practices, resilience, strategic human resources management, sustainability, sustainability adoption processes	13, 1, 82-92	https://doi.org/10.2495/DNE-V13-N1-82-92	Porter, T.B., Reischer, R. (2018). A complexity perspective on csr and sustainability: theory and a longitudinal case study. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 82-92. https://doi.org/10.2495/DNE-V13-N1-82-92
169	Taduran, R.J.O., Ranjitkar, S., Hughes, T., Townsend, G., Brook, A.H.	Two complex adaptive systems in human development: further studies of dental and fingerprint parameters	buccolingual, complex adaptive system, dentition, dermatoglyphics, fingerprints, human development, ridge breadth, sexual dimorphism, tooth size	13, 1, 93-100	https://doi.org/10.2495/DNE-V13-N1-93-100	Taduran, R.J.O., Ranjitkar, S., Hughes, T., Townsend, G., Brook, A.H. (2018). Two complex adaptive systems in human development: further studies of dental and fingerprint parameters. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 93-100. https://doi.org/10.2495/DNE-V13-N1-93-100
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173	Santos Reyes, D.E.	On the formation of Mexico state	change, complexity, novelty, systems	13, 1, 121-127	https://doi.org/10.2495/DNE-V13-N1-121-127	Santos Reyes, D.E. (2018). On the formation of Mexico state. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 121-127. https://doi.org/10.2495/DNE-V13-N1-121-127
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181	Megoldrick, T.A.	The religious case for water as a human right from the andes	bolivia, development ethics, indigenous, post-neoliberalism, privatization, rights of nature, water rights	12, 4, 470-481	https://doi.org/10.2495/DNE-V12-N4-470-481	Megoldrick, T.A. (2017). The religious case for water as a human right from the andes. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 4, pp. 470-481. https://doi.org/10.2495/DNE-V12-N4-470-481
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189	Fauzi, N.S.M., Misni, A.	Conserving geo-diversity: the importance of valuing the heritage elements at Langkawi Geopark	geo-diversity, geopark, heritage, preservation	12, 3, 303-313	https://doi.org/10.2495/DNE-V12-N3-303-313	Fauzi, N.S.M., Misni, A. (2017). Conserving geo-diversity: the importance of valuing the heritage elements at Langkawi Geopark. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 3, pp. 303-313. https://doi.org/10.2495/DNE-V12-N3-303-313
190	Cialdea, D., Cacucci, S.	The river's contract: an opportunity for new landscape planning activities	land use, landscape planning, river contracts	12, 3, 314-323	https://doi.org/10.2495/DNE-V12-N3-314-323	Cialdea, D., Cacucci, S. (2017). The river's contract: an opportunity for new landscape planning activities. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 3, pp. 314-323. https://doi.org/10.2495/DNE-V12-N3-314-323
191	Calleros-islas, A.	The practice of sustainability in response to the challenges of agriculture in Mexico	agroecosystems, local development, organic agriculture, policy-making, sustainability	12, 3, 324-337	https://doi.org/10.2495/DNE-V12-N3-324-337	Calleros-islas, A. (2017). The practice of sustainability in response to the challenges of agriculture in Mexico. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 3, pp. 324-337. https://doi.org/10.2495/DNE-V12-N3-324-337
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193	Engelseth, P.	Reverse logistics as a complex system: a case study of waste management in the Norwegian offshore petroleum industry	case study, contingency theory, interdependencies, Norwegian petroleum industry, reverse logistics, supply chain management	12, 3, 348-356	https://doi.org/10.2495/DNE-V12-N3-348-356	Engelseth, P. (2017). Reverse logistics as a complex system: a case study of waste management in the Norwegian offshore petroleum industry. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 3, pp. 348-356. https://doi.org/10.2495/DNE-V12-N3-348-356
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195	Devine, S.	The information requirements of complex biological and economic systems with algorithmic information theory	algorithmic information theory, economic complexity and economic order, emergence, energy and economic sustainability, non-equilibrium economics	12, 3, 367-376	https://doi.org/10.2495/DNE-V12-N3-367-376	Devine, S. (2017). The information requirements of complex biological and economic systems with algorithmic information theory. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 3, pp. 367-376. https://doi.org/10.2495/DNE-V12-N3-367-376
196	Clymer, J.R.	Mathematics of complex adaptive systems	complex adaptive systems, intelligent agents, interacting concurrent processes	12, 3, 377-384	https://doi.org/10.2495/DNE-V12-N3-377-384	Clymer, J.R. (2017). Mathematics of complex adaptive systems. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 3, pp. 377-384. https://doi.org/10.2495/DNE-V12-N3-377-384
197	Rosenhouse, J.	Fractals as a metaphor in dialectology	Arabic dialects, dialects, fractals, language	12, 3, 385-395	https://doi.org/10.2495/DNE-V12-N3-385-395	Rosenhouse, J. (2017). Fractals as a metaphor in dialectology. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 3, pp. 385-395. https://doi.org/10.2495/DNE-V12-N3-385-395
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201	Phocas, M.C., Kontovouris, O., Georgiou, N.I.	High-rise airflow structural concept	bending-active members, high-rise buildings, hybrid systems, kinetic structures	12, 2, 176-184	https://doi.org/10.2495/DNE-V12-N2-176-184	Phocas, M.C., Kontovouris, O., Georgiou, N.I. (2017). High-rise airflow structural concept. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 2, pp.176-184. https://doi.org/10.2495/DNE-V12-N2-176-184
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204	Loffi, N.G.	Evolutionary design: the application of biological strategies in the product design process	evolution, product design, processes, sustainability, strategies	12, 2, 204-213	https://doi.org/10.2495/DNE-V12-N2-204-213	Loffi, N.G. (2017). Evolutionary design: the application of biological strategies in the product design process. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 2, pp.204-213. https://doi.org/10.2495/DNE-V12-N2-204-213
205	El-mahdy, D., Gabr, H.S.	Behavior of natural organisms as a mimicking tool in architecture	biomimicry, computational process, material, organism behavior, performance, rules in nature, responsive, robotic fabrication	12, 2, 214-224	https://doi.org/10.2495/DNE-V12-N2-214-224	El-mahdy, D., Gabr, H.S. (2017). Behavior of natural organisms as a mimicking tool in architecture. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 2, pp.214-224. https://doi.org/10.2495/DNE-V12-N2-214-224
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210	Nguyen, A.T., Reiter, S.	Bioclimatism in architecture: an evolutionary perspective	bioclimatic architecture, climate change, eco-adaptive architecture, evolution, evolutionary optimization, vernacular architecture	12, 1, 16-29	https://doi.org/10.2495/DNE-V12-N1-16-29	Nguyen, A.T., Reiter, S. (2017). Bioclimatism in architecture: an evolutionary perspective. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 1, pp.16-29. https://doi.org/10.2495/DNE-V12-N1-16-29
211	Bernad, E.S., Bernad, S.I., Totorean, A.F., Bosioc, A.I., Sargan, I.	Flow patterns in helical-type graft: biomedical applications	bypass graft, helical graft, particle mixing, secondary flow	12, 1, 30-43	https://doi.org/10.2495/DNE-V12-N1-30-43	Bernad, E.S., Bernad, S.I., Totorean, A.F., Bosioc, A.I., Sargan, I. (2017). Flow patterns in helical-type graft: biomedical applications. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 1, pp.30-43. https://doi.org/10.2495/DNE-V12-N1-30-43
212	Boregowda, S., Handy, R., Sleeth, D., Merryweather, A.	Constructural model of fits's law to predict speed-accuracy trade-off	adaptive, constructal law, fits's law, human-machine interface, minimum travel time	12, 1, 44-54	https://doi.org/10.2495/DNE-V12-N1-44-54	Boregowda, S., Handy, R., Sleeth, D., Merryweather, A. (2017). Constructal model of fits's law to predict speed-accuracy trade-off. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 1, pp.44-54. https://doi.org/10.2495/DNE-V12-N1-44-54
213	Poljak, D., Cvetković, M., Dodig, H., Peratta, A.	Electromagnetic-thermal analysis for human exposure to high frequency (HF) radiation	high frequency radiation, human brain, human exposure, human eye, specific absorption rate, temperature increase	12, 1, 55-67	https://doi.org/10.2495/DNE-V12-N1-55-67	Poljak, D., Cvetković, M., Dodig, H., Peratta, A. (2017). Electromagnetic-thermal analysis for human exposure to high frequency (HF) radiation. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 1, pp.55-67. https://doi.org/10.2495/DNE-V12-N1-55-67
214	Cloete, C.E.	The built environment as a complex system	boundaries, built environment, complex system, criteria, entities, methodology	12, 1, 68-74	https://doi.org/10.2495/DNE-V12-N1-68-74	Cloete, C.E. (2017). The built environment as a complex system. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 1, pp.68-74. https://doi.org/10.2495/DNE-V12-N1-68-74
215	Higashimachi, T., Liu, Y., Oshikata, T., Toriya, R.	Improvement of sound conduction efficiency from the viewpoint of vibration characteristics of the human middle ear	artificial stapes, auditory ossicles, fem, geometric model, human middle ear, solidworks, sound pressure, tympanic membrane, tympanoplasty operation	12, 1, 75-85	https://doi.org/10.2495/DNE-V12-N1-75-85	Higashimachi, T., Liu, Y., Oshikata, T., Toriya, R. (2017). Improvement of sound conduction efficiency from the viewpoint of vibration characteristics of the human middle ear. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 1, pp.75-85. https://doi.org/10.2495/DNE-V12-N1-75-85
216	Phocas, M.C., Kontovouris, O., Alexandrou, K.	Post-reflecting on the process of integral design of an adaptive footbridge structure using bending-active principles	adaptive structures, bending-active members, hybrid systems, integral design, interdisciplinary design	12, 1, 86-100	https://doi.org/10.2495/DNE-V12-N1-86-100	Phocas, M.C., Kontovouris, O., Alexandrou, K. (2017). Post-reflecting on the process of integral design of an adaptive footbridge structure using bending-active principles. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 1, pp.86-100. https://doi.org/10.2495/DNE-V12-N1-86-100
217	Manusov, V., Matrenin, P., Kokin, S.	Swarm intelligence algorithms for the problem of the optimal placement and operation control of reactive power sources into power grids	deep compensation, dynamic optimization problems, operation control, power supply systems, swarm intelligence	12, 1, 101-112	https://doi.org/10.2495/DNE-V12-N1-101-112	Manusov, V., Matrenin, P., Kokin, S. (2017). Swarm intelligence algorithms for the problem of the optimal placement and operation control of reactive power sources into power grids. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 1, pp.101-112. https://doi.org/10.2495/DNE-V12-N1-101-112
218	Gitelman, L.M., Gitelman, L.D., Denisov, A.V.	Comparison of competitiveness of grid companies and industrial companies' own generating units	comparative efficiency of small-scale power generation projects and grid electricity, competitiveness of power grid, cost of electricity production, development of small-scale and distributed power generation, electricity tariffs	12, 1, 113-123	https://doi.org/10.2495/DNE-V12-N1-113-123	Gitelman, L.M., Gitelman, L.D., Denisov, A.V. (2017). Comparison of competitiveness of grid companies and industrial companies' own generating units. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 1, pp.113-123. https://doi.org/10.2495/DNE-V12-N1-113-123
219	Tyler, E., Cohen, B.	A complexity underpinning for domestic climate mitigation policy in south africa	climate mitigation, complex dynamic systems, complexity thinking, developing country, policy, south africa	12, 1, 124-132	https://doi.org/10.2495/DNE-V12-N1-124-132	Tyler, E., Cohen, B. (2017). A complexity underpinning for domestic climate mitigation policy in south africa. <i>International Journal of Design & Nature and Ecodynamics</i> , Vol. 12, No. 1, pp.124-132. https://doi.org/10.2495/DNE-V12-N1-124-132