

No.	Co-authors	Article title	Keywords	Vol., No., pp.	DOI	Citation
1	Poudeu, R.C., Ekani, C.J., Djangang, C.N., Blanchart, P.	Role of heat-treated laterite on the strengthening of geopolymer designed with laterite as solid precursor	Laterite, Geopolymer, Heat-Treatment, Strengthening, Network Structure, Construction Material	43, 6, 359-367	10.18280/acsm.430601	Poudeu, R.C., Ekani, C.J., Djangang, C.N., Blanchart, P. (2019). Role of heat-treated laterite on the strengthening of geopolymer designed with laterite as solid precursor. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 6, pp. 359-367. https://doi.org/10.18280/acsm.430601
2	Hadi, M.S., Saud, S.N., Hamzah, E., Mamat, M.F.	Hydrogen embrittlement of 316L stainless steels exposed in 1.0M hydrochloric acid solution	Hydrogen Embrittlement, Immersion Test, Electrochemical Test, Fracture Behavior	43, 6, 369-375	10.18280/acsm.430602	Hadi, M.S., Saud, S.N., Hamzah, E., Mamat, M.F. (2019). Hydrogen embrittlement of 316L stainless steels exposed in 1.0M hydrochloric acid solution. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 6, pp. 369-375. https://doi.org/10.18280/acsm.430602
3	Rathanasalam, V., Perumalsami, J., Jayakumar, K.	Effect of ultrafine ground granulated blast-furnace slag (UFGGBFS) and copper slag on ambient cured geopolymer concrete	Copper Slag, Fly Ash, Geopolymer Concrete, Rapid Chloride Penetration Test, Ultrafine Ground Granulated Blast Furnace Slag	43, 6, 377-382	10.18280/acsm.430603	Rathanasalam, V., Perumalsami, J., Jayakumar, K. (2019). Effect of ultrafine ground granulated blast-furnace slag (UFGGBFS) and copper slag on ambient cured geopolymer concrete. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 6, pp. 377-382. https://doi.org/10.18280/acsm.430603
4	Zhao, G.Y., Wang, Z.G., Liu, T.C., Zhang, X.P.	Recycling of used hydrogenated nitrile butadiene rubber through powder modification by Trans-Polyoctylene rubber	Hydrogenated Nitrile Butadiene Rubber (HNBR), Oil-Resistant Rubber Hose, Trans-Polyoctylene Rubber (TOR), Rubber Powder, Modification, Recycling	43, 6, 383-388	10.18280/acsm.430604	Zhao, G.Y., Wang, Z.G., Liu, T.C., Zhang, X.P. (2019). Recycling of used hydrogenated nitrile butadiene rubber through powder modification by Trans-Polyoctylene rubber. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 6, pp. 383-388. https://doi.org/10.18280/acsm.430604
5	Abdulmunem, A.R., Abed, A.H., Hussien, H.A., Samin, P.M., Rahman, H.A.	Improving the performance of solar air heater using high thermal storage materials	Solar Air Heater, Storage Heat, Phase Change Materials, Thermal Storage Efficiency	43, 6, 389-394	10.18280/acsm.430605	Abdulmunem, A.R., Abed, A.H., Hussien, H.A., Samin, P.M., Rahman, H.A. (2019). Improving the performance of solar air heater using high thermal storage materials. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 6, pp. 389-394. https://doi.org/10.18280/acsm.430605
6	Durga, C.S.S., Ruben, N., Chand, M.S.R., Venkatesh, C.	Evaluation of mechanical parameters of bacterial concrete	Biological Agents, Cracks, Healing, Impervious, Mechanical Properties	43, 6, 395-399	10.18280/acsm.430606	Durga, C.S.S., Ruben, N., Chand, M.S.R., Venkatesh, C. (2019). Evaluation of mechanical parameters of bacterial concrete. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 6, pp. 395-399. https://doi.org/10.18280/acsm.430606
7	Ali, K., Amna, R., Malik, M.I., Shamsah, S.I., Kim, K.	Impacts of different parameters on spray cooling of copper alloy B14	1D Model, Surface Roughness, Spray Nozzle, Full Jet Nozzle, Water Effect	43, 5, 281-286	10.18280/acsm.430501	Ali, K., Amna, R., Malik, M.I., Shamsah, S.I., Kim, K. (2019). Impacts of different parameters on spray cooling of copper alloy B14. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 5, pp. 281-286. https://doi.org/10.18280/acsm.430501
8	Subandi, Yatnikasari, S., Damaiyanti, M., Azhara, R., Vebrian.	Effect of additional fiberglass fiber on concrete performance	Fiberglass Concrete, Fibrous, Fiber, Chopped Strand Mat, Material	43, 5, 287-292	10.18280/acsm.430502	Subandi, Yatnikasari, S., Damaiyanti, M., Azhara, R., Vebrian. (2019). Effect of additional fiberglass fiber on concrete performance. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 5, pp. 287-292. https://doi.org/10.18280/acsm.430502
9	Lu, Y.Q., Li, M.	Solidification of heavy metals in waste incineration fly ashes with silica-alumina composite	Composite, Heavy Metal, Compressive Strength, Hydration Products	43, 5, 293-298	10.18280/acsm.430503	Lu, Y.Q., Li, M. (2019). Solidification of heavy metals in waste incineration fly ashes with silica-alumina composite. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 5, pp. 293-298. https://doi.org/10.18280/acsm.430503
10	Hakkoum, A., Ameer, N., Bachir, R., Bedrane, S., Choukchou-Braham, A.	Activity of bimetallic gold-iron catalysts in adipic acid production by direct oxidation of cyclohexene with molecular oxygen	Oxidation, Cyclohexene, Gold, Iron, Doped Material, Catalysts	43, 5, 299-304	10.18280/acsm.430504	Hakkoum, A., Ameer, N., Bachir, R., Bedrane, S., Choukchou-Braham, A. (2019). Activity of bimetallic gold-iron catalysts in adipic acid production by direct oxidation of cyclohexene with molecular oxygen. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 5, pp. 299-304. https://doi.org/10.18280/acsm.430504
11	Reddy, P.N., Kavayateja, B.V.	Experimental study on strength parameters of self repairing concrete	Durability of Structures, Bacillus Subtilis, Calcium Lactate, Calcium Carbonate, Microbial Concrete, Self Healing Cracks, Rehabilitation, Modulus of Rupture, Urea	43, 5, 305-310	10.18280/acsm.430505	Reddy, P.N., Kavayateja, B.V. (2019). Experimental study on strength parameters of self repairing concrete. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 5, pp. 305-310. https://doi.org/10.18280/acsm.430505
12	Sun, D.L., Zhao, L.L., Liang, G.H., Zhou, H.W.	Prediction of bolted joint dynamics based on the thin-layer element of nonlinear material	Bolted Joint, Thin-Layer Element (TLE), Stiffness, Finite-Element Model	43, 5, 311-315	10.18280/acsm.430506	Sun, D.L., Zhao, L.L., Liang, G.H., Zhou, H.W. (2019). Prediction of bolted joint dynamics based on the thin-layer element of nonlinear material. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 5, pp. 311-315. https://doi.org/10.18280/acsm.430506
13	Dyaneshwar, S.S., Manoj, S.A., Gangadhar, D.A., Balinge, K.R., Mana, A.P., Bhagat, P.R.	Comparing the tribological properties of chloride-based and tetra fluoroborate-based ionic liquids	Tribological Properties, Friction, Lubricant, Ionic Liquids, Surface Characterization	43, 5, 314-327	10.18280/acsm.430507	Dyaneshwar, S.S., Manoj, S.A., Gangadhar, D.A., Balinge, K.R., Mana, A.P., Bhagat, P.R. (2019). Comparing the tribological properties of chloride-based and tetra fluoroborate-based ionic liquids. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 5, pp. 317-327. https://doi.org/10.18280/acsm.430507
14	Kebir, T., Harchouche, Z.E.A., Elmeiche, A., Benguediab, M.	Dissipated strain energy of aluminum alloy 6061-T6 induced by low cycle fatigue	Dissipated Strain Energy, Low Cycle Fatigue, Imposed Plastic Strain, Hysteresis Loop, Alloy 6061-T6	43, 5, 329-334	10.18280/acsm.430508	Kebir, T., Harchouche, Z.E.A., Elmeiche, A., Benguediab, M. (2019). Dissipated strain energy of aluminum alloy 6061-T6 induced by low cycle fatigue. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 5, pp. 329-334. https://doi.org/10.18280/acsm.430508
15	Li, Y., Zhang, Y.X., Xue, W., Zhou, Y.J., Li, B., Ding, Y.P., Zhang, R.Z.	Electroreduction of p-nitrophenol by surfactant modified electrodes	P-Nitrophenol, Linear Sweep Voltammetry, Surfactant, Modified Electrode	43, 5, 335-340	10.18280/acsm.430509	Li, Y., Zhang, Y.X., Xue, W., Zhou, Y.J., Li, B., Ding, Y.P., Zhang, R.Z. (2019). Electroreduction of p-nitrophenol by surfactant modified electrodes. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 5, pp. 335-340. https://doi.org/10.18280/acsm.430509
16	Dwivedi, S.P., Srivastava, A.K., Maurya, N.K., Maurya, M.	Microstructure and mechanical properties of Al 6061/Al2O3/fly-ash composite fabricated through stir casting	Hybrid Composite, Al2O3, Fly-Ash, Tensile Strength, Hardness, Ductility	43, 5, 341-346	10.18280/acsm.430510	Dwivedi, S.P., Srivastava, A.K., Maurya, N.K., Maurya, M. (2019). Microstructure and mechanical properties of Al 6061/Al2O3/fly-ash composite fabricated through stir casting. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 5, pp. 341-346. https://doi.org/10.18280/acsm.430510
17	Karthik, D.E., Mrudunayani, P., Babu, S.V.V.K.	Influence of magnetic water on self-compacting concrete using sulphate resisting cement	Magnetic Water, Micro Steel Fibers, Metakaolin, Compressive Strength, Tensile Strength, Self-Compacting Concrete, Sulphate Resisting Cement	43, 5, 347-352	10.18280/acsm.430511	Karthik, D.E., Mrudunayani, P., Babu, S.V.V.K. (2019). Influence of magnetic water on self-compacting concrete using sulphate resisting cement. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 5, pp. 347-352. https://doi.org/10.18280/acsm.430511
18	Wang, Y.H., Wu, Y.P., Zheng, C.C., Luo, Z.H.Z., Zhou, M.	Influence of foaming agent on technical performance of ceramsite aerated concrete blocks	Ceramsite Aerated Concrete (CAC) Blocks, Foaming Agent, Mix Ratio, Technical Performance	43, 5, 353-357	10.18280/acsm.430512	Wang, Y.H., Wu, Y.P., Zheng, C.C., Luo, Z.H.Z., Zhou, M. (2019). Influence of foaming agent on technical performance of ceramsite aerated concrete blocks. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 5, pp. 353-357. https://doi.org/10.18280/acsm.430512
19	Pouliá, A., Mathiou, C., Karantzalis, A.	Electrochemical study of MoTaNbVTi high entropy alloy in aqueous environments	Electrochemistry, Hank Solution, High Entropy Alloys, Sea Water Solution.	43, 4, 199-205	10.18280/acsm.430401	Pouliá, A., Mathiou, C., Karantzalis, A. (2019). Electrochemical study of MoTaNbVTi high entropy alloy in aqueous environments. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 4, pp. 199-205. https://doi.org/10.18280/acsm.430401
20	Wang, Q.H.	Influence of mud content in sand and gravel on water reducer in concrete	Mud Content, Water Reducer, Concrete, Compressive Strength, Porosity.	43, 4, 207-211	10.18280/acsm.430402	Wang, Q.H. (2019). Influence of mud content in sand and gravel on water reducer in concrete. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 4, pp. 207-211. https://doi.org/10.18280/acsm.430402
21	Subandi, Cahyono, R.H., Kusuma, C., Ansan, M.N.	Artificial aggregate lightweight structural	Artificial Ingredients 1, Ironwood 2, Lightweight 2, Concrete 4, Material 5.	43, 4, 213-216	10.18280/acsm.430403	Subandi, Cahyono, R.H., Kusuma, C., Ansan, M.N. (2019). Artificial aggregate lightweight structural. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 4, pp. 213-216. https://doi.org/10.18280/acsm.430403

22	Ren, C., Li, K.Q., Ni, W., Zhang, S.Q.	Preparation of mine filling material from steel slag mud	Steel Slag Mud, Mine Filling Material, X-Ray Diffraction (XRD), Fourier Transform Infrared Spectroscopy (FT-IR), Nuclear Magnetic Resonance (NMR).	43, 4, 217-224	10.18280/acsm.430404	Ren, C., Li, K.Q., Ni, W., Zhang, S.Q. (2019). Preparation of mine filling material from steel slag mud. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 4, pp. 217-224. https://doi.org/10.18280/acsm.430404
23	Agarwal, M., Dixit, A., Dwivedi, S.P., Mishra, R.K.	Utilization of waste saw dust from wood industry in development of glass fiber epoxy resin hybrid green composite material	Waste Sawdust, Green Glass Fibre Composite, Water Absorption, Soil Degradation, Acid Corrosion Test.	43, 4, 225-234	10.18280/acsm.430405	Agarwal, M., Dixit, A., Dwivedi, S.P., Mishra, R.K. (2019). Utilization of waste saw dust from wood industry in development of glass fiber epoxy resin hybrid green composite material. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 4, pp. 225-234. https://doi.org/10.18280/acsm.430405
24	Chen, C.Y., Wang, J., Gao, Y.C.	Broad-spectrum tuning of surface plasmon resonance using palladium nanorods	Palladium Nanorods, Absorption Spectra, Surface Plasmon Resonance (SPR), Finite-Difference Time-Domain (FDTD) Method.	43, 4, 235-240	10.18280/acsm.430406	Chen, C.Y., Wang, J., Gao, Y.C. (2019). Broad-spectrum tuning of surface plasmon resonance using palladium nanorods. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 4, pp. 235-240. https://doi.org/10.18280/acsm.430406
25	Ourrad, S., Houmadi, Y., Ziadi, A., Mamoune, S.M.A., Lousdad, A.	Probabilistic analysis for estimating the hydrogen desorption time from steel wire rods using monte Carlo simulation	Ductility, Hydrogen Embrittlement, Spatial Variability, Stochastic Method, Karhunen-Loève.	43, 4, 241-248	10.18280/acsm.430407	Ourrad, S., Houmadi, Y., Ziadi, A., Mamoune, S.M.A., Lousdad, A. (2019). Probabilistic analysis for estimating the hydrogen desorption time from steel wire rods using monte Carlo simulation. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 4, pp. 241-248. https://doi.org/10.18280/acsm.430407
26	Zhu, J., Zheng, W.Z., Sneed, L.H., Huang, Y., Xu, C.H.	Mechanical properties of plant fibers reinforced alkali-activated slag cementitious material at high temperature	Alkali-Activated Slag Cementitious Material (AASCM), Ground-Granulated Blast-Furnace Slag (GGBFS), High Temperature, Mechanical Properties, Plant Fiber.	43, 4, 249-255	10.18280/acsm.430408	Zhu, J., Zheng, W.Z., Sneed, L.H., Huang, Y., Xu, C.H. (2019). Mechanical properties of plant fibers reinforced alkali-activated slag cementitious material at high temperature. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 4, pp. 249-255. https://doi.org/10.18280/acsm.430408
27	Rao, T.E., Krishna, G.R., Kumar, M.V.	Investigation of microstructure and mechanical properties of MIG welded mild steel plates	Metal Inert Gas Welding, Heat Affected Zone, Steel Plates IS 2062, Microstructure Analysis, Impact Test.	43, 4, 257-263	10.18280/acsm.430409	Rao, T.E., Krishna, G.R., Kumar, M.V. (2019). Investigation of microstructure and mechanical properties of MIG welded mild steel plates. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 4, pp. 257-263. https://doi.org/10.18280/acsm.430409
28	Rachid, C., Lebon, F., Rosu, I., Mohammed, M.	Numerical study of the surface roughness, thermal conductivity of the contact materials and interstitial fluid convection coefficient effect on the thermal contact conductance	Thermal Contact Conductance, Thermal Conductivity, Convection Coefficient, Roughness, Interstitial Fluid.	43, 4, 265-271	10.18280/acsm.430410	Rachid, C., Lebon, F., Rosu, I., Mohammed, M. (2019). Numerical study of the surface roughness, thermal conductivity of the contact materials and interstitial fluid convection coefficient effect on the thermal contact conductance. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 4, pp. 265-271. https://doi.org/10.18280/acsm.430410
29	Chaudhury, P., Samantaray, S.	Electro thermal modelling of electrical discharge machining of Be-Cu alloy by varying fraction of energy	Finite Element Simulation, Electrical Discharge Machining, Material Removal Rate, Plasma Flushing Efficiency.	43, 4, 273-279	10.18280/acsm.430411	Chaudhury, P., Samantaray, S. (2019). Electro thermal modelling of electrical discharge machining of Be-Cu alloy by varying fraction of energy. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 4, pp. 273-279. https://doi.org/10.18280/acsm.430411
30	Elhadi, B.M., Abdechafik, H., Bachir, G., Aissa, B.H.	Influence of plastic deformation of copper on the behavior of electromagnetic shielding	Plastic Deformation, Electric Field, Dislocation, Shielding, TEM Cell, Electrical Conductivity.	43, 3, 135-140	10.18280/acsm.430301	Elhadi, B.M., Abdechafik, H., Bachir, G., Aissa, B.H. (2019). Influence of plastic deformation of copper on the behavior of electromagnetic shielding. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 3, pp. 135-140. https://doi.org/10.18280/acsm.430301
31	Catizzone, E., Bonura, G., Migliori, M., Braccio, G., Frusteri, F., Giordano, G.	Direct CO ₂ -to-dimethyl ether hydrogenation over Cu/Zn/Zr/zeolite hybrid catalyst: new evidences on the interaction between acid and metal sites	CO ₂ Recycling, Dimethyl Ether, Heterogeneous Catalysis, Zeolites, Nanostructured Catalysts, Lewis/Bronsted Acid Sites, Industrial Chemistry Processes.	43, 3, 141-149	10.18280/acsm.430302	Catizzone, E., Bonura, G., Migliori, M., Braccio, G., Frusteri, F., Giordano, G. (2019). Direct CO ₂ -to-dimethyl ether hydrogenation over Cu/Zn/Zr/zeolite hybrid catalyst: new evidences on the interaction between acid and metal sites. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 3, pp. 141-149. https://doi.org/10.18280/acsm.430302
32	Zheng, M.L., Gao, S.Y., Chen, J.G., Zhang, W., Li, J.N., Chen, B.L.	Impacts of element diffusion on bond breakage of cemented carbide cutter	Cemented Carbide, 2.25Cr1M0.25V, Molecular Dynamics (MD), Element Diffusion, Bond Breakage, Bonding Energy.	43, 3, 151-158	10.18280/acsm.430303	Zheng, M.L., Gao, S.Y., Chen, J.G., Zhang, W., Li, J.N., Chen, B.L. (2019). Impacts of element diffusion on bond breakage of cemented carbide cutter. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 3, pp. 151-158. https://doi.org/10.18280/acsm.430303
33	Zouzou, C., Keddad, M.	Boriding kinetics of FeB and Fe ₂ B layers on AISI M2 steel by the integral diffusion model	Boronizing, Borides, Incubation Times, Fick's Laws, Integral Diffusion Model.	43, 3, 159-164	10.18280/acsm.430304	Zouzou, C., Keddad, M. (2019). Boriding kinetics of FeB and Fe ₂ B layers on AISI M2 steel by the integral diffusion model. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 3, pp. 159-164. https://doi.org/10.18280/acsm.430304
34	Ma, Y.H., Ding, S.L., Xin, D.S., Ma, F., Xia, R.T.	Optimization of hot-pressing technique for genuine full-grain leather made of natural rubber latex	Natural Rubber Latex, Genuine Full-Grain Leather (GFGL), Hot-Pressing Technique, Physical-Mechanical Properties.	43, 3, 165-172	10.18280/acsm.430305	Ma, Y.H., Ding, S.L., Xin, D.S., Ma, F., Xia, R.T. (2019). Optimization of hot-pressing technique for genuine full-grain leather made of natural rubber latex. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 3, pp. 165-172. https://doi.org/10.18280/acsm.430305
35	Mohapatra, S., Sarangi, H., Mohanty, U.K., Rath, P.	Certain aspects of particle distribution in castings formed in rotating moulds	Dispersal of Particles, Centrifugal Force, Viscosity Profile, Temperature Profile, Particle-Rich-Zone, Graded Properties, Analytical Findings.	43, 3, 173-181	10.18280/acsm.430306	Mohapatra, S., Sarangi, H., Mohanty, U.K., Rath, P. (2019). Certain aspects of particle distribution in castings formed in rotating moulds. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 3, pp. 173-181. https://doi.org/10.18280/acsm.430306
36	Zhong, R.C., Peng, Z.B., Jiang, H.D.	Design of diamond drill bits with primary and secondary abrasives	Primary and Secondary Abrasives, Impregnated Diamond Drill Bit, Micron Diamond Powder, Drilling Efficiency, Service Life.	43, 3, 183-188	10.18280/acsm.430307	Zhong, R.C., Peng, Z.B., Jiang, H.D. (2019). Design of diamond drill bits with primary and secondary abrasives. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 3, pp. 183-188. https://doi.org/10.18280/acsm.430307
37	Reddy Bellum, R., Muniraj, K., Madduru, S.R.C.	Empirical relationships on mechanical properties of class-f fly ash and GGBS based geopolymer concrete	Fly Ash, GGBS, Modulus of Elasticity, Geopolymer Concrete, Ambient Curing.	43, 3, 189-197	10.18280/acsm.430308	Reddy Bellum, R., Muniraj, K., Madduru, S.R.C. (2019). Empirical relationships on mechanical properties of class-f fly ash and GGBS based geopolymer concrete. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 3, pp. 189-197. https://doi.org/10.18280/acsm.430308
38	Hadjadj, S., Boutarfaia, A., Zenkhri, L.	Structural and dielectric study of a PLNZNT ceramic material doped with chromium	Perovskites, Doped PZT, Dielectric, XRD, Dielectric Response.	43, 2, 69-74	10.18280/acsm.430201	Hadjadj, S., Boutarfaia, A., Zenkhri, L. (2019). Structural and dielectric study of a PLNZNT ceramic material doped with chromium. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 2, pp. 69-74. https://doi.org/10.18280/acsm.430201
39	Sonali Sri Durga, C., Ruben, N.	Assessment of various self healing materials to enhance the durability of concrete structures	Bio-concrete, Concrete Properties, Cracking, Eco-Friendly, Mechanisms, Self Healing.	43, 2, 75-79	10.18280/acsm.430202	Sonali Sri Durga, C., Ruben, N. (2019). Assessment of various self healing materials to enhance the durability of concrete structures. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 2, pp. 75-79. https://doi.org/10.18280/acsm.430202
40	Chen, F.Q., Huang, C.S., Wang, J., Gao, D.Y.	Experimental analysis on flexural-tensile performance of polyester fiber asphalt concrete	Polyester Fiber Asphalt Concrete, Flexural-Tensile Strength, Fiber Aspect Ratio, Fiber Volume Ratio, Fiber Content Feature Parameter (FCFP).	43, 2, 81-88	10.18280/acsm.430203	Chen, F.Q., Huang, C.S., Wang, J., Gao, D.Y. (2019). Experimental analysis on flexural-tensile performance of polyester fiber asphalt concrete. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 2, pp. 81-88. https://doi.org/10.18280/acsm.430203
41	Zheng, B., Sui, J.L., Tan, Y.H., Zhang, L.L.	Thermal performance analysis of exterior wall materials of huizhou residential buildings adapted to local climate	Climatic Environment, Adaptability, Huizhou Residential Buildings, Structure of Exterior Wall Material, Thermal Performance.	43, 2, 89-94	10.18280/acsm.430204	Zheng, B., Sui, J.L., Tan, Y.H., Zhang, L.L. (2019). Thermal performance analysis of exterior wall materials of huizhou residential buildings adapted to local climate. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 2, pp. 89-94. https://doi.org/10.18280/acsm.430204
42	Aday, A.J.	Analysis of springback behavior in steel and aluminum sheets using FEM	Finite Element Analysis, Sheet Metal, Springback, Die Profile Radius.	43, 2, 95-98	10.18280/acsm.430205	Aday, A.J. (2019). Analysis of springback behavior in steel and aluminum sheets using FEM. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 43, No. 2, pp. 95-98. https://doi.org/10.18280/acsm.430205

43	Venkatesh, C., Chand, M.S.R., Nerella, R.	A state of the art on red mud as a substitutional cementitious material	Substitutional Cementitious Material, Red Mud, Bayer Process, Microstructure Characterization, Chloride Ions Diffusion, Compressive Strength.	43, 2, 99-106	10.18280/acsm.430206	Venkatesh, C., Chand, M.S.R., Nerella, R. (2019). A state of the art on red mud as a substitutional cementitious material. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 2, pp. 99-106. https://doi.org/10.18280/acsm.430206
44	Zhang, J.H., Wang, S.Q., Liu, L.Y., Zhang, X., Bi, B., Fu, D., Li, Z.Y.	Combined treatment of coking wastewater with N-Ce-TiO ₂ and modified inferior coal char	N-Ce-TiO ₂ Nanomaterials, Coking Wastewater, Photocatalysis, Modified Char, Biomass.	43, 2, 107-114	10.18280/acsm.430207	Zhang, J.H., Wang, S.Q., Liu, L.Y., Zhang, X., Bi, B., Fu, D., Li, Z.Y. (2019). Combined treatment of coking wastewater with N-Ce-TiO ₂ and modified inferior coal char. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 2, pp. 107-114. https://doi.org/10.18280/acsm.430207
45	Singh, A., Yadav, H.L., Kumar, S.	Effect of temperature on fracture parameters of aluminum alloy Al 6061: A numerical study	Crack Mouth Opening Displacement, Crack Tip Opening Displacement, Stress Intensity Factor, ANSYS, Side Edge Notch Bend Specimen.	43, 2, 115-118	10.18280/acsm.430208	Singh, A., Yadav, H.L., Kumar, S. (2019). Effect of temperature on fracture parameters of aluminum alloy Al 6061: A numerical study. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 2, pp. 115-118. https://doi.org/10.18280/acsm.430208
46	Peng, X.L., Sun, C., Cao, Y.B.	Tensile properties of remolded loess and undisturbed loess	Remolded Loess, Undisturbed Loess, Water Content, Tensile Strength.	43, 2, 119-123	10.18280/acsm.430209	Peng, X.L., Sun, C., Cao, Y.B. (2019). Tensile properties of remolded loess and undisturbed loess. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 2, pp. 119-123. https://doi.org/10.18280/acsm.430209
47	Nurulla, S., Mustafa, S., Reddy, Y.B.S.	Investigation on mechanical properties of lightweight concrete partially replacing sawdust to fine aggregate	Environment, Mechanical Properties, Saw-Dust, Lightweight Concrete, Eco-friendly.	43, 2, 125-128	10.18280/acsm.430210	Nurulla, S., Mustafa, S., Reddy, Y.B.S. (2019). Investigation on mechanical properties of lightweight concrete partially replacing sawdust to fine aggregate. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 2, pp. 125-128. https://doi.org/10.18280/acsm.430210
48	Verma, R., Jaiswal, A., Avchar, A.	A numerical method approach for analyzing the effects of joint orientation on stability of open-stope in metalliferous mines	Metal Mining, Stope, Joint Orientation, Numerical Modeling, Finite Difference, Open Stopping.	43, 2, 129-134	10.18280/acsm.430211	Verma, R., Jaiswal, A., Avchar, A. (2019). A numerical method approach for analyzing the effects of joint orientation on stability of open-stope in metalliferous mines. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 2, pp. 129-134. https://doi.org/10.18280/acsm.430211
49	Bouteldja, M., Mezaache, E.H., Laouer, A.	Numerical study of the solidification of phase change materials in a rectangular cavity: Effects of convection and aspect ratio	Heat Storage, Phase Change Material, Enthalpy Method, Heat Exchanger, Liquid Solide Interface.	43, 1, 1-9	10.18280/acsm.430101	Bouteldja, M., Mezaache, E.H., Laouer, A. (2019). Numerical study of the solidification of phase change materials in a rectangular cavity: Effects of convection and aspect ratio. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 1, pp. 1-9. https://doi.org/10.18280/acsm.430101
50	Benarrache, S., Benchatti, T., Benhorma, H.A.	Formation and dissolution of carbides and nitrides in the weld seam of X70 steel by the effects of heat treatments	HSLA Steels, X70, Seam, Weld Metal Zone WMZ, the Heat Affected Zone HAZ, X-Ray Diffraction, Carbide and Nitride, Diffusion, Backscatter.	43, 1, 11-16	10.18280/acsm.430102	Benarrache, S., Benchatti, T., Benhorma, H.A. (2019). Formation and dissolution of carbides and nitrides in the weld seam of X70 steel by the effects of heat treatments. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 1, pp. 11-16. https://doi.org/10.18280/acsm.430102
51	Du, E.X., Wang, Y., Sun, J.H., Yang, S.Q.	Experimental analysis on ductility of polyvinyl alcohol fibre reinforced concrete frame joints	Polyvinyl Alcohol (PVA) Fibre Reinforced Concrete, Frame Joint, Ductility, Energy Dissipation, Hysteresis Loop.	43, 1, 17-22	10.18280/acsm.430103	Du, E.X., Wang, Y., Sun, J.H., Yang, S.Q. (2019). Experimental analysis on ductility of polyvinyl alcohol fibre reinforced concrete frame joints. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 1, pp. 17-22. https://doi.org/10.18280/acsm.430103
52	Kulkarni, H.B., Kulkarni, R.M., Nadakatti, M.M., Gokak, G.D., Deshpande, A.S.	Thermal conductivity enhancement by Al ₂ O ₃ @Cu ₂ core@shell nanoparticle suspensions in nanofluid coolant	Synthesis, Alumina, Hamilton Crosser, Heat Dissipation, Metal-Cutting Nanotechnology, Machining.	43, 1, 23-28	10.18280/acsm.430104	Kulkarni, H.B., Kulkarni, R.M., Nadakatti, M.M., Gokak, G.D., Deshpande, A.S. (2019). Thermal conductivity enhancement by Al ₂ O ₃ @Cu ₂ core@shell nanoparticle suspensions in nanofluid coolant. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 1, pp. 23-28. https://doi.org/10.18280/acsm.430104
53	Sharma, A., Mishra, A.K., Choudhary, B.S.	Impact of blast design parameters on blasted muckpile profile in building stone quarries	Stone Quarries, Drill-Blast Design Parameters, Muck Profile, Throw, Drop, Lateral Spread.	43, 1, 29-36	10.18280/acsm.430105	Sharma, A., Mishra, A.K., Choudhary, B.S. (2019). Impact of blast design parameters on blasted muckpile profile in building stone quarries. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 1, pp. 29-36. https://doi.org/10.18280/acsm.430105
54	Ji, J., Liu, X.S., Tan, S.Y., Wang, M.N., Ni, W.	Preparation and performance analysis of foam-concrete sound absorbing material prepared purely from solid wastes	Foam-Concrete, Sound Absorption Performance, Industrial Solid Waste, Compressive Strength.	43, 1, 37-42	10.18280/acsm.430106	Ji, J., Liu, X.S., Tan, S.Y., Wang, M.N., Ni, W. (2019). Preparation and performance analysis of foam-concrete sound absorbing material prepared purely from solid wastes. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 1, pp. 37-42. https://doi.org/10.18280/acsm.430106
55	Bayareh, M., Nourbakhsh, A., Rouzbahani, F., Tafreshi, M.K.	Simulation of sand particles flow using a weakly compressible smoothed particle hydrodynamics method (WCSPH)	Smoothed Particle Hydrodynamics (SPH), Non-Newtonian Fluid, Weakly Compressibility, Sandy Beach, Multi Phase Flow, Interpolation Particle.	43, 1, 43-51	10.18280/acsm.430107	Bayareh, M., Nourbakhsh, A., Rouzbahani, F., Tafreshi, M.K. (2019). Simulation of sand particles flow using a weakly compressible smoothed particle hydrodynamics method (WCSPH). <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 1, pp. 43-51. https://doi.org/10.18280/acsm.430107
56	Yao, Y.H., Wang, Y.H., Liu, Z.W., Zhu, F.P.	Effects of replacing fly ash with cutting mud on the performance of ceramsite aerated concrete	Ceramsite Aerated Concrete (CAC), Cutting Mud, Workability, Compressive Strength, Dry Density.	43, 1, 53-57	10.18280/acsm.430108	Yao, Y.H., Wang, Y.H., Liu, Z.W., Zhu, F.P. (2019). Effects of replacing fly ash with cutting mud on the performance of ceramsite aerated concrete. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 1, pp. 53-57. https://doi.org/10.18280/acsm.430108
57	Amar, Z.H., Chabira, S.F., Sebaa, M., Ahmed, B.	Structural changes undergone during thermal aging and/or processing of Unstabilized, dry-blend and rigid PVC, investigated by FTIR-ATR and curve fitting	PVC, Aging, ATR-FTIR, Curve Fitting, Mechanical Properties	43, 1, 59-68	10.18280/acsm.430109	Amar, Z.H., Chabira, S.F., Sebaa, M., Ahmed, B. (2019). Structural changes undergone during thermal aging and/or processing of Unstabilized, dry-blend and rigid PVC, investigated by FTIR-ATR and curve fitting. <i>Annales de Chimie: Science des Matériaux</i> , Vol. 43, No. 1, pp. 59-68. https://doi.org/10.18280/acsm.430109
58	Moraci, F., Fazio, C., Errigo, M.F.	Smart tools for energy resilient city	Urban Performance, Smart Resilient City, Smart Tools.	42, 4, 473-484	10.3166/ACSM.42.473-484	Moraci, F., Fazio, C., Errigo, M.F. (2018). Smart tools for energy resilient city. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 4, pp. 473-484. https://doi.org/10.3166/ACSM.42.473-484
59	Costa, P., Dell'Omo, P.P., Froschia, S.L.	Multistage milling and classification for improving both pellet quality and biogas production from hazelnut and olive pruning	Anaerobic Digestion, Biogas, EN ISO 17225-2, Pellet, Pruning.	42, 4, 485-501	10.3166/ACSM.42.485-501	Costa, P., Dell'Omo, P.P., Froschia, S.L. (2018). Multistage milling and classification for improving both pellet quality and biogas production from hazelnut and olive pruning. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 4, pp. 485-501. https://doi.org/10.3166/ACSM.42.485-501
60	Liu, Y., Zhan, M., Weng, G.Y., Wang, S.L.	Semi-active optimization control of space grid model with self-reset piezoelectric friction damper	Genetic Algorithm (GA), Optimal Layout, Piezoelectric Friction Damper (PTD), Semi-active Control.	42, 4, 503-515	10.3166/ACSM.42.503-515	Liu, Y., Zhan, M., Weng, G.Y., Wang, S.L. (2018). Semi-active optimization control of space grid model with self-reset piezoelectric friction damper. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 4, pp. 503-515. https://doi.org/10.3166/ACSM.42.503-515
61	Vizzari, D., Puntorieri, P., Praticò, F., Fiamma, V., Barbaro, G.	Energy harvesting from solar and permeable pavements: A feasibility study	Solar Pavement, Drainability, Rainfall.	42, 4, 517-534	10.3166/ACSM.42.517-534	Vizzari, D., Puntorieri, P., Praticò, F., Fiamma, V., Barbaro, G. (2018). Energy harvesting from solar and permeable pavements: A feasibility study. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 4, pp. 517-534. https://doi.org/10.3166/ACSM.42.517-534
62	Peng, X.L., Fan, W., Sun, C., Hao, G., Zhang, Y.	Physical and mechanical properties of interface transition zone between loess and paleosol	Interface Transition Zone, Loess Paleosol, Large Shear Test, Shear Characteristics.	42, 4, 535-545	10.3166/ACSM.42.535-545	Peng, X.L., Fan, W., Sun, C., Hao, G., Zhang, Y. (2018). Physical and mechanical properties of interface transition zone between loess and paleosol. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 4, pp. 535-545. https://doi.org/10.3166/ACSM.42.535-545
63	Dharmana, T., Kola, K.R., Bonnada, N.N.	Nano SiO ₂ catalyzed synthesis of Imidazo[1,2-a]pyridines	Nano SiO ₂ , Microwave Irradiation, Imidazo[1,2-a]Pyridines, Phenacyl Bromide.	42, 4, 547-553	10.3166/ACSM.42.547-553	Dharmana, T., Kola, K.R., Bonnada, N.N. (2018). Nano SiO ₂ catalyzed synthesis of Imidazo[1,2-a]pyridines. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 4, pp. 547-553. https://doi.org/10.3166/ACSM.42.547-553

64	Murugan, S.S.	Processing and characterisation of LM30 alloy + graphite reinforced composite through gravity and centrifugal casting	Centrifugal Casting, Dendritic Structure, FGCMs, Gravity Casting.	42, 4, 555-564	10.3166/ACSM.42.555-564	Murugan, S.S. (2018). Processing and characterisation of LM30 alloy + graphite reinforced composite through gravity and centrifugal casting. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 4, pp. 555-564. https://doi.org/10.3166/ACSM.42.555-564
65	Lou, P.J., Liang, S.L., Feng, M.M., Bu, Y.S., Huang, X.Y.	Load relief rupture mechanism based on particle flow rocklike material	Particle Flow, Unload, Mesoscopic Rupture Mechanism.	42, 4, 565-576	10.3166/ACSM.42.565-576	Lou, P.J., Liang, S.L., Feng, M.M., Bu, Y.S., Huang, X.Y. (2018). Load relief rupture mechanism based on particle flow rocklike material. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 4, pp. 565-576. https://doi.org/10.3166/ACSM.42.565-576
66	Jian, Q.P.	Improvement of radial basis function neural network with accelerated particle swarm optimization for corrosion rate prediction of 3C steel in seawater environment	Radial Basis Function Neural Network (RBFNN), Seawater Environment, Accelerated Particle Swarm Optimization (APSO), Prediction Model, Corrosion Rate.	42, 4, 577-587	10.3166/ACSM.42.577-587	Jian, Q.P. (2018). Improvement of radial basis function neural network with accelerated particle swarm optimization for corrosion rate prediction of 3C steel in seawater environment. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 4, pp. 577-587. https://doi.org/10.3166/ACSM.42.577-587
67	Nithish Reddy, P., Murugesan, K., Koushik, V.	Numerical analysis of MHD double diffusive nano-fluid convection in a cavity using FEM	Double Diffusive Convection, Magnetic Field, Nano Fluid, and Cavity.	42, 4, 589-612	10.3166/ACSM.42.589-612	Nithish Reddy, P., Murugesan, K., Koushik, V. (2018). Numerical analysis of MHD double diffusive nano-fluid convection in a cavity using FEM. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 4, pp. 589-612. https://doi.org/10.3166/ACSM.42.589-612
68	Shiriny, A., Bayareh, M.	Numerical study of heat transfer and pressure drop in a fuel cell with porous material	Fuel Cell, Porous Material, Heat Transfer, Pressure Drop.	42, 3, 323-334	10.3166/ACSM.42.323-334	Shiriny, A., Bayareh, M. (2018). Numerical study of heat transfer and pressure drop in a fuel cell with porous material. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 3, pp. 323-334. https://doi.org/10.3166/ACSM.42.323-334
69	Ferrah, A., Bouaziz, M.N.	Modeling of double diffusion with MHD on an inclined flat plate solar captor with non-uniform boundary conditions. Bouyancy ratio, Prandtl, Schmidt and Eckert numbers effects	MHD, Nombres de Schmidt et D' Eckert, Reaction Chimique, Rayonnement, Transferts de Chaleur et de Masse, Conditions Aux Limites.	42, 3, 335-346	10.3166/ACSM.42.335-346	Ferrah, A., Bouaziz, M.N. (2018). Modeling of double diffusion with MHD on an inclined flat plate solar captor with non-uniform boundary conditions. Bouyancy ratio, Prandtl, Schmidt and Eckert numbers effects. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 3, pp. 335-346. https://doi.org/10.3166/ACSM.42.335-346
70	Zhang, J.T., Cai, D., Wang, T.K., Hu, Q., Li, K.M.	Experimental analysis on the effects of artificial marble waste powder on concrete performance	Artificial Marble Waste Powder, Concrete, Water Consumption, Working Performance, Mechanical Properties.	42, 3, 347-362	10.3166/ACSM.42.347-362	Zhang, J.T., Cai, D., Wang, T.K., Hu, Q., Li, K.M. (2018). Experimental analysis on the effects of artificial marble waste powder on concrete performance. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 3, pp. 347-362. https://doi.org/10.3166/ACSM.42.347-362
71	Chauhan, P.R., Kumar, R.	A comprehensive review on heat transfer enhancement and pressure drop characteristics of nanofluid flow through micro-channels	Nanofluid, Micro-channel, Heat Transfer Enhancement, Pressure Drop.	42, 3, 363-385	10.3166/ACSM.42.363-385	Chauhan, P.R., Kumar, R. (2018). A comprehensive review on heat transfer enhancement and pressure drop characteristics of nanofluid flow through micro-channels. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 3, pp. 363-385. https://doi.org/10.3166/ACSM.42.363-385
72	Huang, C.S., Zhang, Z.F., Dao, D.Y.	Thermal stress restrained specimen test on fiber enhanced asphalt concrete and thermal stress calculation models	Road Engineering, Fiber Reinforced Asphalt Concrete, Cracking Resistance Performance, Thermal Stress Restrained Specimen Test, Fiber Content Characteristic Parameter.	42, 3, 387-403	10.3166/ACSM.42.387-403	Huang, C.S., Zhang, Z.F., Dao, D.Y. (2018). Thermal stress restrained specimen test on fiber enhanced asphalt concrete and thermal stress calculation models. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 3, pp. 387-403. https://doi.org/10.3166/ACSM.42.387-403
73	Italiano, C., Pino, L., Laganà, M., Vita, A.	Ceramic monolith- and foam-structured catalysts via in-situ combustion deposition for energetic applications	Monolith, Open-Cell Foam, Methanation, Reforming, Structured Catalysts.	42, 3, 405-418	10.3166/ACSM.42.405-418	Italiano, C., Pino, L., Laganà, M., Vita, A. (2018). Ceramic monolith- and foam-structured catalysts via in-situ combustion deposition for energetic applications. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 3, pp. 405-418. https://doi.org/10.3166/ACSM.42.405-418
74	Zheng, L., Zhou, X., Zhang, X.Y.	Effects of calcination temperature and curing time on bending strength and microstructure of hydrothermally treated mordenite products	Mordenite, Hydrothermal Treatment, Bending Strength, Microstructure, Self-Humidity Control.	42, 3, 419-427	10.3166/ACSM.42.419-427	Zheng, L., Zhou, X., Zhang, X.Y. (2018). Effects of calcination temperature and curing time on bending strength and microstructure of hydrothermally treated mordenite products. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 3, pp. 419-427. https://doi.org/10.3166/ACSM.42.419-427
75	Michele, B., Fortunato, C., Vincenzo, S.S.	Fatigue life investigation on wind blades	Composite Materials, Wind Blades Damaging, Fatigue Failure.	42, 3, 429-440	10.3166/ACSM.42.429-440	Michele, B., Fortunato, C., Vincenzo, S.S. (2018). Fatigue life investigation on wind blades. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 3, pp. 429-440. https://doi.org/10.3166/ACSM.42.429-440
76	Prestipino, M., Chiodo, V., Maisano, S., Brusca, S., Urbani, F., Galvagno, A.	Hydrogen production from residual biomass via air-steam gasification for a bioenergy-based economy in Sicily	Bioenergy, Hydrogen, Biomass Gasification, Citrus Peel.	42, 3, 441-452	10.3166/ACSM.42.441-452	Prestipino, M., Chiodo, V., Maisano, S., Brusca, S., Urbani, F., Galvagno, A. (2018). Hydrogen production from residual biomass via air-steam gasification for a bioenergy-based economy in Sicily. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 3, pp. 441-452. https://doi.org/10.3166/ACSM.42.441-452
77	Wang, W., Ye, P.F., Zhou, X.L., Wang, C.L., Huo, Z.K., Zhang, K.F., Meng, X.Q.	Effects of reductant type on coal-based direct reduction of iron ore tailings	Iron Ore Tailings, Coal-Based Direct Reduction, Reductant Type, Roasting.	42, 3, 453-466	10.3166/ACSM.42.453-466	Wang, W., Ye, P.F., Zhou, X.L., Wang, C.L., Huo, Z.K., Zhang, K.F., Meng, X.Q. (2018). Effects of reductant type on coal-based direct reduction of iron ore tailings. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 3, pp. 453-466. https://doi.org/10.3166/ACSM.42.453-466
78	Souad, T., Mounir, Z., Abdelwahab, B., Salah, H.	Numerical simulation EF/VOF to study the influence of the surface condition of the formation of the slats of a nickel deposit produced by plasma spraying	Finite Element, Formation of Splats, Numerical Simulation, Plasma Spraying, Volume of Fluid (VOF).	42, 2, 165-180	10.3166/ACSM.42.165-180	Souad, T., Mounir, Z., Abdelwahab, B., Salah, H. (2018). Numerical simulation EF/VOF to study the influence of the surface condition of the formation of the slats of a nickel deposit produced by plasma spraying. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 2, pp. 165-180. https://doi.org/10.3166/ACSM.42.165-180
79	Sarker, T., Arifuzzaman, S.M., Reza-E-Rabbi, S.K., Ahmed, R., Khan, M.S., Ahmmed, S.F.	Unsteady magnetohydrodynamic casson nanofluid flow through a moving cylinder with brownian and thermophoresis effects	Casson Fluid, Nano Particles, EFD, MHD and Moving Cylinder.	42, 2, 181-207	10.3166/ACSM.42.181-207	Sarker, T., Arifuzzaman, S.M., Reza-E-Rabbi, S.K., Ahmed, R., Khan, M.S., Ahmmed, S.F. (2018). Unsteady magnetohydrodynamic casson nanofluid flow through a moving cylinder with brownian and thermophoresis effects. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 2, pp. 181-207. https://doi.org/10.3166/ACSM.42.181-207
80	Wang, J.L., Zhang, S.H., Peng, F.F.	Influence mechanism of hard brittle grits on the drilling performance of diamond bit	Diamond Bit, Hard Brittle Grits, Hard Rock Drilling, Wear Morphologies.	42, 2, 209-220	10.3166/ACSM.42.209-220	Wang, J.L., Zhang, S.H., Peng, F.F. (2018). Influence mechanism of hard brittle grits on the drilling performance of diamond bit. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 2, pp. 209-220. https://doi.org/10.3166/ACSM.42.209-220
81	Saouli, F., Sriti, F.Z., Abba, M., Necira, Z., Menasra, H., Beddari, A.	Structural and dielectric properties of (Bi) modified PLSZT ceramics	Ferroelectric, Microstructure, Piezoelectric Ceramics, Dielectric Properties.	42, 2, 221-231	10.3166/ACSM.42.221-231	Saouli, F., Sriti, F.Z., Abba, M., Necira, Z., Menasra, H., Beddari, A. (2018). Structural and dielectric properties of (Bi) modified PLSZT ceramics. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 2, pp. 221-231. https://doi.org/10.3166/ACSM.42.221-231
82	Zuo, H.L., Li, Y.S., Di, J., Guo, N.	Lateral performance of timber shear walls reinforced by prestressed diagonal cross bars	Diagonal Cross-Bar, Prestress, Monotonic Loading Test, Lateral Performance, Deformation Behavior.	42, 2, 233-243	10.3166/ACSM.42.233-243	Zuo, H.L., Li, Y.S., Di, J., Guo, N. (2018). Lateral performance of timber shear walls reinforced by prestressed diagonal cross bars. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 2, pp. 233-243. https://doi.org/10.3166/ACSM.42.233-243
83	Sotehi, N., Tabet, I., Chaker, A.	Combined experimental and numerical characterization of thermal properties of lightweight concretes used in construction	Lightweight Concrete, Construction Materials, Thermal Properties, Heat and Mass Transfer.	42, 2, 245-258	10.3166/ACSM.42.245-258	Sotehi, N., Tabet, I., Chaker, A. (2018). Combined experimental and numerical characterization of thermal properties of lightweight concretes used in construction. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 2, pp. 245-258. https://doi.org/10.3166/ACSM.42.245-258
84	Qin, H.Y., Ouyang, Z.H., Ti, Z.Y., Zhang, F.	Experimental analysis on the optimal proportion of paste filler for a coal mine in China	Filler Strength, Orthogonal Test, Multivariate Statistical Analysis.	42, 2, 259-268	10.3166/ACSM.42.259-268	Qin, H.Y., Ouyang, Z.H., Ti, Z.Y., Zhang, F. (2018). Experimental analysis on the optimal proportion of paste filler for a coal mine in China. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 2, pp. 259-268. https://doi.org/10.3166/ACSM.42.259-268

85	Saud, A.N., Majidi, H.S., Saud, S.N.	Optimization of ceramic thermal insulation behavior using the genetic algorithm	Thermal Insulation, Semi-Dry Pressing, Alumina, Genetic Algorithm.	42, 2, 269-279	10.3166/ACSM.42.269-279	Saud, A.N., Majidi, H.S., Saud, S.N. (2018). Optimization of ceramic thermal insulation behavior using the genetic algorithm. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 2, pp. 269-279. https://doi.org/10.3166/ACSM.42.269-279
86	Golneshan, A.A., Nemati, H.	Evaluation of six gas turbine evaporative cooling for Fars-Iran	Evaporative Cooler, Gas Turbine, Humidification, Ideality Coefficient.	42, 2, 281-301	10.3166/ACSM.42.281-301	Golneshan, A.A., Nemati, H. (2018). Evaluation of six gas turbine evaporative cooling for Fars-Iran. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 2, pp. 281-301. https://doi.org/10.3166/ACSM.42.281-301
87	Li, J.L., Wang, S.L., Gao, L., Hao, Y.Z., Zhan, M.	Energy dissipation of the friction sliding isolation structure with MoS ₂ as the lubricating material	Friction Sliding Isolation, Energy Dissipation, Mos2, Seismic Response, Shaking Table Test.	42, 2, 303-316	10.3166/ACSM.42.303-316	Li, J.L., Wang, S.L., Gao, L., Hao, Y.Z., Zhan, M. (2018). Energy dissipation of the friction sliding isolation structure with MoS ₂ as the lubricating material. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 2, pp. 303-316. https://doi.org/10.3166/ACSM.42.303-316
88	Swain, K., Parida, S.K., Dash, G.C.	MHD flow of viscoelastic nanofluid over a stretching sheet in a porous medium with heat source and chemical reaction	MHD, Viscoelastic, Nanofluid, Chemical Reaction, Heat Source/Sink.	42, 1, 7-21	10.3166/ACSM.42.7-21	Swain, K., Parida, S.K., Dash, G.C. (2018). MHD flow of viscoelastic nanofluid over a stretching sheet in a porous medium with heat source and chemical reaction. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 1, pp. 7-21. https://doi.org/10.3166/ACSM.42.7-21
89	Komolafe, C.A., Waheed, M.A.	Design and fabrication of a forced convection solar dryer integrated with heat storage materials	Drying, Solar Dryer, Forced Convection, Cocoa Beans, Heat Storage Materials.	42, 1, 23-39	10.3166/ACSM.42.23-39	Komolafe, C.A., Waheed, M.A. (2018). Design and fabrication of a forced convection solar dryer integrated with heat storage materials. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 1, pp. 23-39. https://doi.org/10.3166/ACSM.42.23-39
90	Qiu, C.J., Wang, S., Liu, H., Huang, J.	In-situ pull-out tests on soil-reinforcement interface properties of reinforced soil slopes	Reinforced Soil Slope, Geogrid, In-Situ Pull-Out Test, Soil-Reinforcement Interface (SRI), S-Curve.	42, 1, 41-56	10.3166/ACSM.42.41-56	Qiu, C.J., Wang, S., Liu, H., Huang, J. (2018). In-situ pull-out tests on soil-reinforcement interface properties of reinforced soil slopes. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 1, pp. 41-56. https://doi.org/10.3166/ACSM.42.41-56
91	Mamatha E., Reddy C.S., Sharma R.	Effects of viscosity variation and thermal effects in squeeze films	Squeeze Film, Reynolds Equation, Journal Bearing, Parallel and Circular Plates.	42, 1, 57-74	10.3166/ACSM.42.57-74	Mamatha, E., Reddy, C.S., Sharma, R. (2018). Effects of viscosity variation and thermal effects in squeeze films. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 1, pp. 57-74. https://doi.org/10.3166/ACSM.42.57-74
92	Yang, P.Y., Wu, X.E., Chen, J.H.	Effect of rock mass intactness on tunnel safety and stability in blasting excavation	Hydropower Plant, Pressure Diversion Tunnel, Numerical Simulation, The Intactness Index, Blasting Vibration Velocity, Acoustic Wave Velocity.	42, 1, 75-101	10.3166/ACSM.42.75-101	Yang, P.Y., Wu, X.E., Chen, J.H. (2018). Effect of rock mass intactness on tunnel safety and stability in blasting excavation. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 1, pp. 75-101. https://doi.org/10.3166/ACSM.42.75-101
93	Vandragi, S.K., Emami, S., Sharma, K.V., Veldi, G.	Computational analysis to determine the heat transfer coefficients for SiO ₂ /60EGW and SiO ₂ /40EGW based nano-fluids	Heat Transfer Coefficient, Nanofluids, CFD, Heat Transfer Enhancement.	42, 1, 103-114	10.3166/ACSM.42.103-114	Vandragi, S.K., Emami, S., Sharma, K.V., Veldi, G. (2018). Computational analysis to determine the heat transfer coefficients for SiO ₂ /60EGW and SiO ₂ /40EGW based nano-fluids. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 1, pp. 103-114. https://doi.org/10.3166/ACSM.42.103-114
94	Maati A., Ouakdi E.H., Tabourot L., Balland P., Demouche M.	Modelling of the thermomechanical behaviour of FCC metals under various conditions	Dislocation Density, Dynamic Recovery, Strain Hardening, Subgrain Size, Thermomechanical Behaviour.	42, 1, 115-127	10.3166/ACSM.42.115-127	Maati A., Ouakdi E.H., Tabourot L., Balland P., Demouche M. (2018). Modelling of the thermomechanical behaviour of FCC metals under various conditions. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 1, pp. 115-127. https://doi.org/10.3166/ACSM.42.115-127
95	Ba, J.J., Su, C.T., Li, Y.Q.	A case study on heat source mechanism of high-temperature geothermal field	Geothermal Field, Heat Source, Magma Chamber, Granite Radioactivity, Ruidian, China.	42, 1, 129-147	10.3166/ACSM.42.129-147	Ba, J.J., Su, C.T., Li, Y.Q. (2018). A case study on heat source mechanism of high-temperature geothermal field. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 1, pp. 129-147. https://doi.org/10.3166/ACSM.42.129-147
96	Xi, S., Zuo, S.S., Liu, Y., Zhu, Y.L., Yang, Y.T., Gou, B.L.	Preparation of silicon-based nanowires through high-temperature annealing	Silicon-Based Nanowires, High-Temperature Annealing, Morphology, Microstructure.	42, 1, 149-158	10.3166/ACSM.42.149-158	Xi, S., Zuo, S.S., Liu, Y., Zhu, Y.L., Yang, Y.T., Gou, B.L. (2018). Preparation of silicon-based nanowires through high-temperature annealing. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 42, No. 1, pp. 149-158. https://doi.org/10.3166/ACSM.42.149-158
97	Agrawal, H., Mishra, A.K.	Evolution of digital detonators as an intelligent tool for control blasting in Indian mines	Electronic Detonators, Digital Detonators, Delay Time Accuracy, Blasting	41, 3-4, 157-171	10.3166/ACSM.41.157-171	Agrawal, H., Mishra, A.K. (2017). Evolution of digital detonators as an intelligent tool for control blasting in Indian mines. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 3-4, pp. 157-171. https://doi.org/10.3166/ACSM.41.157-171
98	Nawal, A., Redouane, B., Sumeya, B., Abderrahim, C.B.	Promotional effect of iron on the activity of TiO ₂ in the production of adipic acid	Oxidation, Cyclohexene, Adipic Acid, Iron, Titania	41, 3-4, 173-188	10.3166/ACSM.41.173-188	Nawal, A., Redouane, B., Sumeya, B., Abderrahim, C.B. (2017). Promotional effect of iron on the activity of TiO ₂ in the production of adipic acid. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 3-4, pp. 173-188. https://doi.org/10.3166/ACSM.41.173-188
99	Ou, X.D., Pan, X., Hou, K.W., Yin, X.T.	Experiment and mechanism study on microbial improvement of dredger fill	Microbial Improvement, Hydraulic Fill, Triaxial Shear Test, Osmotic Coefficient.	41, 3-4, 189-208	10.3166/ACSM.41.189-208	Ou, X.D., Pan, X., Hou, K.W., Yin, X.T. (2017). Experiment and mechanism study on microbial improvement of dredger fill. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 3-4, pp. 189-208. https://doi.org/10.3166/ACSM.41.189-208
100	Kumar, S., Mishra, A.K., Choudhary, B.S.	P and S wave velocity of rocks in Jharia coalfield region for assessment of its geotechnical properties in dry, semi-saturated and saturated conditions	P-Wave Velocity, S-Wave Velocity, Rock Properties, Coal Mines, Rock Samples.	41, 3-4, 209-223	10.3166/ACSM.41.209-223	Kumar, S., Mishra, A.K., Choudhary, B.S. (2017). P and S wave velocity of rocks in Jharia coalfield region for assessment of its geotechnical properties in dry, semi-saturated and saturated conditions. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 3-4, pp. 209-223. https://doi.org/10.3166/ACSM.41.209-223
101	Yu, D.	Experimental study on anti-seismic property of inorganic polymer concrete short columns after high temperature	Inorganic Polymer Concrete, Short Column, Open Fire Test, Anti-seismic Property.	41, 3-4, 225-237	10.3166/ACSM.41.225-237	Yu, D. (2017). Experimental study on anti-seismic property of inorganic polymer concrete short columns after high temperature. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 3-4, pp. 225-237. https://doi.org/10.3166/ACSM.41.225-237
102	Uddin, M.J., Halim, M.A., Mohiuddin, M., Shalauddin.	Copper oxide-water nanofluid flow within an annulus shaped cavity: A numerical study on natural convective heat transfer	Finite Element Method, Nanofluid, Nanoparticles, Solar Collector, Heat Transfer.	41, 3-4, 239-260	10.3166/ACSM.41.239-260	Uddin, M.J., Halim, M.A., Mohiuddin, M., Shalauddin. (2017). Copper oxide-water nanofluid flow within an annulus shaped cavity: A numerical study on natural convective heat transfer. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 3-4, pp. 239-260. https://doi.org/10.3166/ACSM.41.239-260
103	Abderrahmane, H., Brahim, N., Abdelfatah, B., Noureddine, A.M.	Laminar natural convection of power-law fluid in a differentially heated inclined square cavity	Natural Convection, Square Cavity, Inclination Angle, Power-Law Fluid, Prandtl Number.	41, 3-4, 261-281	10.3166/ACSM.41.261-281	Abderrahmane, H., Brahim, N., Abdelfatah, B., Noureddine, A.M. (2017). Laminar natural convection of power-law fluid in a differentially heated inclined square cavity. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 3-4, pp. 261-281. https://doi.org/10.3166/ACSM.41.261-281
104	Liu, C.Y., Zhang, X.P., Du, L.Z., Wang, Y., Chen, B.B., Wang, J.	Evaluation of rock brittleness based on the ratio of stress drop rate to strain drop rate and peak strength	Rock Brittleness, Ratio of Stress Drop Rate to Strain Drop Rate (Drop Rate Ratio), Peak Strength.	41, 3-4, 283-298	10.3166/ACSM.41.283-298	Liu, C.Y., Zhang, X.P., Du, L.Z., Wang, Y., Chen, B.B., Wang, J. (2017). Evaluation of rock brittleness based on the ratio of stress drop rate to strain drop rate and peak strength. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 3-4, pp. 283-298. https://doi.org/10.3166/ACSM.41.283-298
105	Li, M.Q., Yang, Z.Y., Li, J.W., Zhou, S.Z.	Simulation of rock-breaking process of polycrystalline diamond compact bit under circumferential impact torque	Torsional Impactor, Polycrystalline Diamond Compact (PDC) Bit, Stick-Slip Vibration, Rock-Breaking Simulation.	41, 3-4, 299-311	10.3166/ACSM.41.299-311	Li, M.Q., Yang, Z.Y., Li, J.W., Zhou, S.Z. (2017). Simulation of rock-breaking process of polycrystalline diamond compact bit under circumferential impact torque. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 3-4, pp. 299-311. https://doi.org/10.3166/ACSM.41.299-311

106	Abdulkadhim, A., Hamzah, H. K., Abed, A.M., Hassan, A.F.	Numerical study of entropy generation and natural convection heat transfer in trapezoidal enclosure with a thin baffle attached to inner wall using liquid nanofluid	Natural Convection, Baffle, Nanofluid, Enclosure.	41, 1-2, 7-28	10.3166/ACSM.41.7-28	Abdulkadhim, A., Hamzah, H. K., Abed, A.M., Hassan, A.F. (2017). Numerical study of entropy generation and natural convection heat transfer in trapezoidal enclosure with a thin baffle attached to inner wall using liquid nanofluid. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 1-2, pp. 7-28. https://doi.org/10.3166/ACSM.41.7-28
107	Salloomi, K.N., Al-Sumaidae, S.	Numerical validation of temperature distribution in friction stir welded aluminum 7075-T651 plates using pseudo heat transfer model	Friction Stir Welding (FSW), Finite Element Simulation, AL 7075-T651, Thermal Modeling.	41, 1-2, 29-38	10.3166/ACSM.41.29-38	Salloomi, K.N., Al-Sumaidae, S. (2017). Numerical validation of temperature distribution in friction stir welded aluminum 7075-T651 plates using pseudo heat transfer model. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 1-2, pp. 29-38. https://doi.org/10.3166/ACSM.41.29-38
108	Zhang, Y.X.	Form simulation and influencing factors of cadmium ions in the Longjiang river, China	Form Simulation, Influencing Factors, Cadmium, Longjiang River.	41, 1-2, 39-50	10.3166/ACSM.41.39-50	Zhang, Y.X. (2017). Form simulation and influencing factors of cadmium ions in the Longjiang river, China. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 1-2, pp. 39-50. https://doi.org/10.3166/ACSM.41.39-50
109	Kanojija, N.C., Shahare, A.S., Sambare, R., Sengar, K.	Differentiate between two comparative Nano fluids for enhancing the heat transfer coefficient inside the heat exchanger using inserts	Heat Exchangers, Titanium Oxide & Copper Oxide Nanoparticles, Nanofluids, Heat Transfer Enhancement, Inserts.	41, 1-2, 51-60	10.3166/ACSM.41.51-60	Kanojija, N.C., Shahare, A.S., Sambare, R., Sengar, K. (2017). Differentiate between two comparative Nano fluids for enhancing the heat transfer coefficient inside the heat exchanger using inserts. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 1-2, pp. 51-60. https://doi.org/10.3166/ACSM.41.51-60
110	Zhang, X.G., Chen, Z.X., Yi, N.P.	Improvement of high-liquid limit soil in the subgrade of mine roadway	Mine Road, Subgrade, High Liquid Limit Soil, Admixture, Improvement Test.	41, 1-2, 61-74	10.3166/ACSM.41.61-74	Zhang, X.G., Chen, Z.X., Yi, N.P. (2017). Improvement of high-liquid limit soil in the subgrade of mine roadway. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 1-2, pp. 61-74. https://doi.org/10.3166/ACSM.41.61-74
111	Kumar, V., Prasad, L.	Experimental analysis of heat transfer and friction for three sides roughened solar air heater	Concave Dimple, Relative Dimple Pitch, Relative Dimple Height, Relative Dimple Depth, Nusselt Number, Friction Factor.	41, 1-2, 75-107	10.3166/ACSM.41.75-107	Kumar, V., Prasad, L. (2017). Experimental analysis of heat transfer and friction for three sides roughened solar air heater. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 1-2, pp. 75-107. https://doi.org/10.3166/ACSM.41.75-107
112	Kkaled, C., Ahmed, S., Sahli, S.	Immersed borders approach for fluid-structure interaction	Generalized Finite Element Method, Mobile Interfaces, Incompressible Flows.	41, 1-2, 109-126	10.3166/ACSM.41.109-126	Kkaled, C., Ahmed, S., Sahli, S. (2017). Immersed borders approach for fluid-structure interaction. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 1-2, pp. 109-126. https://doi.org/10.3166/ACSM.41.109-126
113	Zhao, Y.S., Li, P., Yin, Q., Wang, T.	Analysis on structural design and experimental effect of two kinds of hollow-through DTH hammer reverse circulation bits	Reverse Circulation Bit, Hollow-Through DTH Hammer Reverse Circulation Bit, Slit-Type Inner Nozzle Structure, The Double-Row Inner Nozzle Structure.	41, 1-2, 127-137	10.3166/ACSM.41.127-137	Zhao, Y.S., Li, P., Yin, Q., Wang, T. (2017). Analysis on structural design and experimental effect of two kinds of hollow-through DTH hammer reverse circulation bits. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 1-2, pp. 127-137. https://doi.org/10.3166/ACSM.41.127-137
114	Kan, J.G., Sen, Y., Liang, D.X.	Experimental study on the law of roof caving of pillarless gob-side entry retaining	Pillarless Gob-Side Entry Retaining, Roof Caving, Deformation Characteristic, Physical Simulation.	41, 1-2, 139-150	10.3166/ACSM.41.139-150	Kan, J.G., Sen, Y., Liang, D.X. (2017). Experimental study on the law of roof caving of pillarless gob-side entry retaining. <i>Annales de Chimie - Science des Matériaux</i> , Vol. 41, No. 1-2, pp. 139-150. https://doi.org/10.3166/ACSM.41.139-150