

S Ramesh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

372
papers

8,569
citations

48
h-index

77
g-index

391
ext. papers

11,032
ext. citations

3.2
avg, IF

6.62
L-index

#	Paper	IF	Citations
372	Linking the Development of Building Sustainability Assessment Tools with the Concept Evolution of Sustainable Buildings. <i>Sustainability</i> , 2021 , 13, 12909	3.6	2
371	Effects of Selection of Inlet Perturbations, Multiphase and Turbulence Equations on Slug Flow Characteristics Using Altair AcuSolve Processes, 2021 , 9, 2152	2.9	
370	Review on the Revolution of Polymer Electrolytes for Dye-Sensitized Solar Cells. <i>Energy & Fuels</i> , 2021 , 35, 19320-19350	4.1	1
369	Influence of calcination temperature in synthesizing eggshell-derived calcium phosphate. <i>Materials Today: Proceedings</i> , 2021 , 48, 1915-1915	1.4	1
368	Electrical property enhancement of poly (vinyl alcohol-co-ethylene)Based gel polymer electrolyte incorporated with triglyme for electric double-layer capacitors (EDLCs). <i>Ionics</i> , 2021 , 27, 361-373	2.7	3
367	Effect of MgO addition on the sinterability, mechanical properties and biological cell activities of sintered silicon-substituted hydroxyapatite. <i>Journal of the Australian Ceramic Society</i> , 2021 , 57, 857	1.5	0
366	Preparation and characterization of starch-based bioplastic composites with treated oil palm empty fruit bunch fibers and citric acid. <i>Cellulose</i> , 2021 , 28, 4191-4210	5.5	7
365	The Effects of Sintering Additives on the Sintering of 3Y-TZP Ceramic. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1117, 012010	0.4	0
364	Sinterability of Calcium Phosphate Through Rapid Sintering. <i>Journal of Physics: Conference Series</i> , 2021 , 1892, 012038	0.3	
363	Augmentation of dye-sensitized solar cell photovoltaic conversion efficiency via incorporation of terpolymer Poly(vinyl butyral-co-vinyl alcohol-co-vinyl acetate) based gel polymer electrolytes. <i>Polymer</i> , 2021 , 223, 123713	3.9	4
362	Sintering behaviour of fluorapatiteSilicate composites produced from natural fluorapatite and quartz. <i>Ceramics International</i> , 2021 , 47, 16483-16490	5.1	2
361	Tetrahedral meshing for a slanted semi-elliptical surface crack at a solid cylinder. <i>Engineering Fracture Mechanics</i> , 2021 , 241, 107400	4.2	3
360	Rectify the performance of Green Building Rating Tool (GBRT) in sustainability: Evidence from ISO 21929-1. <i>Journal of Cleaner Production</i> , 2021 , 278, 123378	10.3	4
359	Physicochemical and biological status of Aghlagan river, Iran: effects of seasonal changes and point source pollution. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 15339-15349	5.1	2
358	Effect of pH on the properties of eggshell-derived hydroxyapatite bioceramic synthesized by wet chemical method assisted by microwave irradiation. <i>Ceramics International</i> , 2021 , 47, 8879-8887	5.1	9
357	Development of a fuzzy-TOPSIS multi-criteria decision-making model for material selection with the integration of safety, health and environment risk assessment. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021 , 235, 1532-1550	1.3	1
356	Zinc-substituted hydroxyapatite produced from calcium precursor derived from eggshells. <i>Ceramics International</i> , 2021 , 47, 33010-33010	5.1	0

355	Effect of electrode substrate and poly(acrylamide) hydrogel electrolytes on the electrochemical performance of supercapacitors. <i>Ionics</i> , 2021 , 27, 4507-4519	2.7	0
354	Chemo-physico-mechanical characteristics of high-strength alkali-activated mortar containing non-traditional supplementary cementitious materials. <i>Journal of Building Engineering</i> , 2021 , 103368	5.2	1
353	A systematic review on material selection methods. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020 , 234, 1032-1059	1.3	9
352	Synthesis and properties of bio-waste-based hydroxyapatite via hydrothermal process. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2020 , 51, 706-712	0.9	0
351	Evolution of sustainability in global green building rating tools. <i>Journal of Cleaner Production</i> , 2020 , 259, 120912	10.3	23
350	Effect of zinc ions on the structural characteristics of hydroxyapatite bioceramics. <i>Ceramics International</i> , 2020 , 46, 13945-13952	5.1	14
349	Poly (1-vinylpyrrolidone-co-vinyl acetate) (PVP-co-VAc) based gel polymer electrolytes for electric double layer capacitors (EDLC). <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	17
348	Biogenic integrated ZnO/Ag nanocomposite: Surface analysis and in vivo practices for the management of type 1 diabetes complications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 189, 110878 ⁶		7
347	Improved ionic conductivity and efficiency of dye-sensitized solar cells with the incorporation of 1-methyl-3-propylimidazolium iodide. <i>Ionics</i> , 2020 , 26, 3173-3183	2.7	11
346	Coral-like structured nickel sulfide-cobalt sulfide binder-free electrode for supercapattery. <i>Ionics</i> , 2020 , 26, 3621-3630	2.7	4
345	Influence of tetraglyme towards magnesium salt dissociation in solid polymer electrolyte for electric double layer capacitor. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	6
344	Electrochemical studies of 1,2,3-Benzotriazole inhibitor for acrylic-based coating in different acidic media systems. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	3
343	Biological responses of MC3T3-E1 on calcium carbonate coatings fabricated by hydrothermal reaction on titanium. <i>Biomedical Materials (Bristol)</i> , 2020 , 15, 035004	3.5	6
342	Ternary nanocomposite of cobalt oxide nanograins and silver nanoparticles grown on reduced graphene oxide conducting platform for high-performance supercapattery electrode material. <i>Journal of Alloys and Compounds</i> , 2020 , 821, 153452	5.7	33
341	Effect of 1-Hexyl-3-Methylimidazolium Iodide Ionic Liquid on Ionic Conductivity and Energy Conversion Efficiency of Solid Polymer Electrolyte-Based Nano-Crystalline Dye-Sensitized Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 2423-2429	1.3	8
340	Fundamental Concepts of Hydrogels: Synthesis, Properties, and Their Applications. <i>Polymers</i> , 2020 , 12,	4.5	70
339	Cobalt Oxide Nanograins and Silver Nanoparticles Decorated Fibrous Polyaniline Nanocomposite as Battery-Type Electrode for High Performance Supercapattery. <i>Polymers</i> , 2020 , 12,	4.5	6
338	The role and contribution of green buildings on sustainable development goals. <i>Building and Environment</i> , 2020 , 185, 107091	6.5	18

337	Co-regulative effects of chitosan-fennel seed extract system on the hormonal and biochemical factors involved in the polycystic ovarian syndrome. <i>Materials Science and Engineering C</i> , 2020 , 117, 111351	8.3	5
336	Influence of sintering profile on the mechanical properties of manganese oxide doped 3Y-TZP. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 463, 012094	0.3	0
335	Effects of sintering additives on the densification and properties of alumina-toughened zirconia ceramic composites. <i>Ceramics International</i> , 2020 , 46, 27539-27549	5.1	8
334	Effect of sintering temperature on the morphology, crystallinity and mechanical properties of carbonated hydroxyapatite (CHA). <i>Ceramics International</i> , 2020 , 46, 26784-26789	5.1	7
333	A novel design, analysis and 3D printing of Ti-6Al-4V alloy bio-inspired porous femoral stem. <i>Journal of Materials Science: Materials in Medicine</i> , 2020 , 31, 78	4.5	16
332	Sintering behaviour of carbonated hydroxyapatite prepared at different carbonate and phosphate ratios. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2020 , 59, 73-80	1.9	12
331	Enhancing efficiency of dye sensitized solar cells based on poly(propylene) carbonate polymer gel electrolytes incorporating double salts. <i>Ionics</i> , 2020 , 26, 493-502	2.7	7
330	lota-carrageenan-based polymer electrolyte: impact on ionic conductivity with incorporation of AmNTFSI ionic liquid for supercapacitor. <i>Ionics</i> , 2019 , 25, 3321-3329	2.7	8
329	Micro-arc oxidation of bioceramic coatings containing eggshell-derived hydroxyapatite on titanium substrate. <i>Ceramics International</i> , 2019 , 45, 18371-18381	5.1	22
328	Rapid Nucleation of Reduced Graphene Oxide-Supported Palladium Electrocatalysts for Methanol Oxidation Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 7236-7243	1.3	1
327	Effects of Resin Binder on Characteristics of Sintered Aluminum-Copper Nanopaste as High-Temperature Die-Attach Material. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019 , 9, 2104-2110	1.7	
326	Polyacrylonitrile/poly(1-vinyl pyrrolidone-co-vinyl acetate) blend based gel polymer electrolytes incorporated with sodium iodide salt for dye-sensitized solar cell applications. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47810	2.9	13
325	Electrical, thermal, and structural studies on highly conducting additive-free biopolymer electrolytes for electric double-layer capacitor application. <i>Ionics</i> , 2019 , 25, 4861-4874	2.7	13
324	Curcumin/Tween 20-incorporated cellulose nanoparticles with enhanced curcumin solubility for nano-drug delivery: characterization and in vitro evaluation. <i>Cellulose</i> , 2019 , 26, 5467-5481	5.5	37
323	Development of asymmetric device using Co ₃ (PO ₄) ₂ as a positive electrode for energy storage application. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 7435-7446	2.1	22
322	A facile ultrasonic-aided biosynthesis of ZnO nanoparticles using Vaccinium arctostaphylos L. leaf extract and its antidiabetic, antibacterial, and oxidative activity evaluation. <i>Ultrasonics Sonochemistry</i> , 2019 , 55, 57-66	8.9	36
321	Effect of copper-nickel interlayer thickness on laser welding-brazing of Mg/Ti alloy. <i>Optics and Laser Technology</i> , 2019 , 115, 149-159	4.2	8
320	Poly(lactic acid) composite films reinforced with microcrystalline cellulose and keratin from chicken feather fiber in 1-butyl-3-methylimidazolium chloride. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47642	2.9	7

319	Nucleation and growth controlled reduced graphene oxide supported palladium electrocatalysts for methanol oxidation reaction. <i>Nanomaterials and Nanotechnology</i> , 2019 , 9, 184798041982717	2.9	1
318	Finite element study of functionally graded porous femoral stems incorporating body-centered cubic structure. <i>Artificial Organs</i> , 2019 , 43, E152-E164	2.6	22
317	Effect of different imidazolium-based ionic liquids on gel polymer electrolytes for dye-sensitized solar cells. <i>Ionics</i> , 2019 , 25, 2427-2435	2.7	29
316	Investigation on gel polymer electrolyte-based dye-sensitized solar cells using carbon nanotube. <i>Ionics</i> , 2019 , 25, 319-325	2.7	13
315	Resistance element welding of magnesium alloy and austenitic stainless steel in three-sheet configurations. <i>Journal of Materials Processing Technology</i> , 2019 , 274, 116292	5.3	5
314	Density functional theory simulation of cobalt oxide aggregation and facile synthesis of a cobalt oxide, gold and multiwalled carbon nanotube based ternary composite for a high performance supercapattery. <i>New Journal of Chemistry</i> , 2019 , 43, 13183-13195	3.6	13
313	Sintering behavior of anorthite-based composite ceramics produced from natural phosphate and kaolin. <i>Ceramics International</i> , 2019 , 45, 20258-20265	5.1	9
312	Resistance element weld-bonding and resistance spot weld-bonding of Mg alloy/austenitic stainless steel. <i>Journal of Manufacturing Processes</i> , 2019 , 48, 12-30	5	7
311	Numerical Investigation of the Behaviour of Thin-Walled Metal Tubes Under Axial Impact. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 55-64	0.4	1
310	Quasi solid-state dye-sensitized solar cell with P(MMA-co-MAA)-based polymer electrolytes. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 1179-1189	2.6	12
309	Investigation of Energy Absorption Behaviour of Square Aluminium Tubes with Cutouts under Axial Compression. <i>Materials Science Forum</i> , 2019 , 969, 181-186	0.4	
308	Optimization of poly(vinyl alcohol-co-ethylene)-based gel polymer electrolyte containing nickel phosphate nanoparticles for dye-sensitized solar cell application. <i>Solar Energy</i> , 2019 , 178, 231-240	6.8	11
307	Novel palladium-guanine-reduced graphene oxide nanocomposite as efficient electrocatalyst for methanol oxidation reaction. <i>Materials Research Bulletin</i> , 2019 , 112, 213-220	5.1	12
306	Comparative study on characteristics of laser welded-brazed AZ31/Ti-6Al-4V lap joints with and without coatings. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 101, 1023-1040	3.2	1
305	Sintering behaviour and properties of manganese-doped alumina. <i>Ceramics International</i> , 2019 , 45, 704957054	5.1	17
304	The conductivity and dielectric studies of polymer electrolytes based on iota-carrageenan with sodium iodide and 1-butyl-3-methylimidazolium iodide for the dye-sensitized solar cells. <i>Ionics</i> , 2019 , 25, 763-771	2.7	16
303	Effect of multi-ions doping on the properties of carbonated hydroxyapatite bioceramic. <i>Ceramics International</i> , 2019 , 45, 3473-3477	5.1	34
302	Influence of electrodeposited Cu-Ni layer on interfacial reaction and mechanical properties of laser welded-brazed Mg/Ti lap joints. <i>Journal of Manufacturing Processes</i> , 2019 , 37, 251-265	5	8

301	Empirical solutions for stress intensity factors of a surface crack in a solid cylinder under pure torsion. <i>Engineering Fracture Mechanics</i> , 2018 , 193, 122-136	4.2	4
300	A review on laser beam welding of titanium alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 97, 1071-1098	3.2	53
299	Comparative study on the corrosion and wear behavior of plasma-sprayed vs. high velocity oxygen fuel-sprayed Al8Si20BN ceramic coatings. <i>Ceramics International</i> , 2018 , 44, 12180-12193	5.1	14
298	Comparison between microwave and conventional sintering on the properties and microstructural evolution of tetragonal zirconia. <i>Ceramics International</i> , 2018 , 44, 8922-8927	5.1	31
297	Conductivity, dielectric studies and structural properties of P(VA-co-PE) and its application in dye sensitized solar cell. <i>Organic Electronics</i> , 2018 , 56, 116-124	3.5	23
296	A review on laser beam welding of copper alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 96, 475-490	3.2	33
295	The conductivity and dielectric studies of solid polymer electrolytes based on poly (acrylamide-co-acrylic acid) doped with sodium iodide. <i>Ionics</i> , 2018 , 24, 1947-1953	2.7	34
294	Analysis of corrosion protection behavior of Al2O3-TiO2 oxide ceramic coating on carbon steel pipes for petroleum industry. <i>Ceramics International</i> , 2018 , 44, 5967-5975	5.1	21
293	Challenges and advances in laser welding of dissimilar light alloys: Al/Mg, Al/Ti, and Mg/Ti alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 95, 4353-4369	3.2	55
292	Corrosion protection performance of nanocomposite coatings under static, UV, and dynamic conditions 2018 , 15, 1035-1047		6
291	Characterization of biogenic hydroxyapatite derived from animal bones for biomedical applications. <i>Ceramics International</i> , 2018 , 44, 10525-10530	5.1	50
290	Quasi-Solid Polymer Electrolyte Composed of poly(1-vinylpyrrolidone-co-vinyl acetate) Copolymer and the Influence of Its Composition on Electrochemical Properties and the Performances of Dye-Sensitized Solar Cells. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 98-107		2
289	The properties of hydroxyapatite ceramic coatings produced by plasma electrolytic oxidation. <i>Ceramics International</i> , 2018 , 44, 1802-1811	5.1	28
288	Solid terpolymer electrolyte based on poly(vinyl butyral-co-vinyl alcohol-co-vinyl acetate) incorporated with lithium salt and tetraglyme for EDLCs. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45902	2.9	7
287	Enhanced efficiency in dye-sensitized solar cell based on zinc oxide-modified poly(ethylene oxide) gel electrolyte. <i>Ionics</i> , 2018 , 24, 1221-1226	2.7	7
286	Effect of microwave sintering on the properties of copper oxide doped Y-TZP ceramics. <i>Ceramics International</i> , 2018 , 44, 19639-19645	5.1	6
285	A review on microstructural study and compressive strength of geopolymers mortar, paste and concrete. <i>Construction and Building Materials</i> , 2018 , 186, 550-576	6.7	104
284	A review on the hydrothermal ageing behaviour of Y-TZP ceramics. <i>Ceramics International</i> , 2018 , 44, 20630-20634	5.1	34

283	Two-Step Sintering of Ceramics 2018 ,		12
282	Effect of Air and Argon Sintering Atmospheres on Properties and Hydrothermal Aging Resistance of Y-TZP Ceramics. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 3574-3580	1.6	5
281	Electrical, dielectric and electrochemical characterization of novel poly(acrylic acid)-based polymer electrolytes complexed with lithium tetrafluoroborate. <i>Chemical Physics Letters</i> , 2018 , 692, 19-27	2.5	16
280	Effect of Ag nanoparticles seeding on the properties of silica spheres. <i>Ceramics International</i> , 2018 , 44, 5901-5908	5.1	17
279	Thermogravimetric Analysis of Polymers 2018 , 1-29		21
278	Sliding behavior of droplet on a hydrophobic surface with hydrophilic cavities: A simulation study. <i>Physics of Fluids</i> , 2018 , 30, 122006	4.4	6
277	Predicting the Primitive Form of Rhombohedral Silicon Carbide (9R-SiC): A Pathway toward Polytypic Heterojunctions. <i>Crystal Growth and Design</i> , 2018 , 18, 7059-7064	3.5	4
276	Is Graphitic Silicon Carbide (Silagraphene) Stable?. <i>Chemistry of Materials</i> , 2018 , 30, 7234-7244	9.6	13
275	Rheological behavior of biodegradable N-succinyl chitosan-g-poly (acrylic acid) hydrogels and their applications as drug carrier and in vitro theophylline release. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 454-466	7.9	27
274	Analysis of surface cracks in round bars using dual boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 2018 , 93, 112-123	2.6	5
273	Influence of a nonionic surfactant on curcumin delivery of nanocellulose reinforced chitosan hydrogel. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 1055-1064	7.9	45
272	Effects of anodisation parameters on thin film properties: a review. <i>Materials Science and Technology</i> , 2017 , 33, 699-711	1.5	4
271	Implementation of hybrid pattern search genetic algorithm into optimizing axial-flux permanent magnet coreless generator (AFPMG). <i>Electrical Engineering</i> , 2017 , 99, 751-761	1.5	9
270	Degradation of ultra-high molecular weight poly(methyl methacrylate-co-butyl acrylate-co-acrylic acid) under ultra violet irradiation. <i>RSC Advances</i> , 2017 , 7, 112-120	3.7	21
269	Na-doped LiMnPO ₄ as an electrode material for enhanced lithium ion batteries. <i>Bulletin of Materials Science</i> , 2017 , 40, 171-175	1.7	15
268	Passively Q-switched erbium-doped fibre laser using cobalt oxide nanocubes as a saturable absorber. <i>Journal of Modern Optics</i> , 2017 , 64, 1315-1320	1.1	16
267	Poly(vinyl alcohol)-chitin composites reinforced by oil palm empty fruit bunch fiber-derived nanocellulose. <i>International Journal of Polymer Analysis and Characterization</i> , 2017 , 22, 294-304	1.7	14
266	Exact solution for stresses/displacements in a multilayered hollow cylinder under thermo-mechanical loading. <i>International Journal of Pressure Vessels and Piping</i> , 2017 , 151, 45-53	2.4	13

265	Binary nanocomposite based on Co ₃ O ₄ nanocubes and multiwalled carbon nanotubes as an ultrasensitive platform for amperometric determination of dopamine. <i>Mikrochimica Acta</i> , 2017 , 184, 2739-2748	5.8	30
264	A novel method of brazing Cu/Cu-7.0Ni-9.3Sn-6.3P/Cu using microwave hybrid heating. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2017 , 48, 299-305	0.9	1
263	Influences of sintering temperatures and crystallite sizes on electrochemical properties of LiNiPO ₄ as cathode materials via sol-gel route for lithium ion batteries. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 83, 12-18	2.3	9
262	Exploring the effect of novel N-butyl-6-methylquinolinium bis(trifluoromethylsulfonyl)imide ionic liquid addition to poly(methyl methacrylate-co-methacrylic) acid electrolyte system as employed in gel-state dye sensitized solar cells. <i>Electrochimica Acta</i> , 2017 , 240, 361-370	6.7	23
261	Comparison of the performance of copper oxide and yttrium oxide nanoparticle based hydroxyethyl cellulose electrolytes for supercapacitors. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	21
260	Influence of sodium on the properties of sol-gel derived hydroxyapatite powder and porous scaffolds. <i>Ceramics International</i> , 2017 , 43, 12263-12269	5.1	11
259	Formation of neodymium oxide by thermal oxidation of sputtered Nd thin film on Si substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 11994-12003	2.1	6
258	An enhanced performance of hybrid supercapacitor based on polyaniline-manganese phosphate binary composite. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 3205-3213	2.6	43
257	Enhanced ionic conductivity of scandia-ceria-stabilized-zirconia (10Sc1CeSZ) electrolyte synthesized by the microwave-assisted glycine nitrate process. <i>Ceramics International</i> , 2017 , 43, 8119-8125	5.1	25
256	Preparation and characterization of nanocellulose reinforced semi-interpenetrating polymer network of chitosan hydrogel. <i>Cellulose</i> , 2017 , 24, 2215-2228	5.5	108
255	Effect of two-step sintering on the hydrothermal ageing resistance of tetragonal zirconia polycrystals. <i>Ceramics International</i> , 2017 , 43, 7594-7599	5.1	14
254	Osteogenic priming potential of bovine hydroxyapatite sintered at different temperatures for tissue engineering applications. <i>Materials Letters</i> , 2017 , 197, 83-86	3.3	9
253	Exploration on polypropylene carbonate polymer for gel polymer electrolyte preparation and dye-sensitized solar cell application. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45091	2.9	17
252	Ionic conductivity improvement in poly (propylene) carbonate-based gel polymer electrolytes using 1-butyl-3-methylimidazolium iodide (BmimI) ionic liquid for dye-sensitized solar cell application. <i>Ionics</i> , 2017 , 23, 1601-1605	2.7	13
251	Novel development towards preparation of highly efficient ionic liquid based co-polymer electrolytes and its application in dye-sensitized solar cells. <i>Organic Electronics</i> , 2017 , 41, 33-41	3.5	17
250	Quasi-solid-state agar-based polymer electrolytes for dye-sensitized solar cell applications using imidazolium-based ionic liquid. <i>Ionics</i> , 2017 , 23, 1585-1590	2.7	19
249	pH responsive N-succinyl chitosan/Poly (acrylamide-co-acrylic acid) hydrogels and in vitro release of 5-fluorouracil. <i>PLoS ONE</i> , 2017 , 12, e0179250	3.7	44
248	Resistance Element Welding of Magnesium Alloy/austenitic Stainless Steel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 238, 012004	0.4	3

247	Electrocoagulation treatment of raw landfill leachate using iron-based electrodes: Effects of process parameters and optimization. <i>Journal of Environmental Management</i> , 2017 , 204, 75-81	7.9	51
246	Investigation of the effect of anodization time and annealing temperature on the physical properties of ZrO ₂ thin film on a Si substrate. <i>Materials Research Express</i> , 2017 , 4, 086414	1.7	3
245	Sonochemical synthesis of nanostructured nickel hydroxide as an electrode material for improved electrochemical energy storage application. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 416-423	3.6	33
244	Effects of thermal oxidation duration on the structural and electrical properties of Nd ₂ O ₃ /Si system. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	5
243	Microstructure and mechanical properties of resistance spot welded in welding-brazing mode and resistance element welded magnesium alloy/austenitic stainless steel joints. <i>Journal of Materials Processing Technology</i> , 2017 , 250, 45-54	5.3	31
242	A review on resistance spot welding of aluminum alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 90, 605-634	3.2	87
241	Effect of ZnO addition on the purity and densification of forsterite ceramic. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 206, 012051	0.4	1
240	Optimization of electrocoagulation process for the treatment of landfill leachate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 210, 012008	0.4	3
239	Efficiency of supercapacitor using EC/DMC-based liquid electrolytes with methyl methacrylate (MMA) monomer. <i>Ionics</i> , 2016 , 22, 107-114	2.7	10
238	Sintering behaviour and properties of magnesium orthosilicate-hydroxyapatite ceramic. <i>Ceramics International</i> , 2016 , 42, 15756-15761	5.1	8
237	Interfacial Reaction Analysis of Cu-Sn-Ni-P/Cu Joint Using Microwave Hybrid Heating. <i>Key Engineering Materials</i> , 2016 , 701, 148-153	0.4	5
236	The Effect of Iron Oxide on the Mechanical and Ageing Properties of Y-TZP Ceramic. <i>Key Engineering Materials</i> , 2016 , 701, 225-229	0.4	10
235	Sintering behaviour and properties of graphene oxide-doped Y-TZP ceramics. <i>Ceramics International</i> , 2016 , 42, 17620-17625	5.1	22
234	Novel poly(vinylidene fluoride-co-hexafluoro propylene)/polyethylene oxide based gel polymer electrolyte containing fumed silica (SiO ₂) nanofiller for high performance dye-sensitized solar cell. <i>Electrochimica Acta</i> , 2016 , 220, 573-580	6.7	42
233	Effect of ionic liquid 1-butyl-3-methylimidazolium bromide on ionic conductivity of poly(ethyl methacrylate) based polymer electrolytes. <i>Materials Express</i> , 2016 , 6, 252-258	1.3	8
232	Evaluation of Thermoelectric Properties of Cu ₃ .21Bi ₄ .79S ₉ Bismuth Chalcogenide. <i>Key Engineering Materials</i> , 2016 , 701, 220-224	0.4	
231	Virtual Planning, Control, and Machining for a Modular-Based Automated Factory Operation in an Augmented Reality Environment. <i>Scientific Reports</i> , 2016 , 6, 27380	4.9	12
230	Preparation and performance analysis of barium titanate incorporated in corn starch-based polymer electrolytes for electric double layer capacitor application. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	14

229	Enhanced electrochemical properties of ZnO-coated LiMnPO ₄ cathode materials for lithium ion batteries. <i>Ionics</i> , 2016 , 22, 1551-1556	2.7	5
228	Effect of sintering temperature on structural properties of LiMnPO ₄ cathode materials obtained by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 80, 514-522	2.3	8
227	Effects of sintering on the mechanical and ionic properties of ceria-doped scandia stabilized zirconia ceramic. <i>Ceramics International</i> , 2016 , 42, 14469-14474	5.1	10
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