

Mohd Rafie Bin Johan

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277
papers

3,517
citations

29
h-index

44
g-index

292
ext. papers

4,655
ext. citations

3.4
avg, IF

6.19
L-index

#	Paper	IF	Citations
277	Effects of Al ₂ O ₃ nanofiller and EC plasticizer on the ionic conductivity enhancement of solid PEO/EC/CF ₃ SO ₃ solid polymer electrolyte. <i>Solid State Ionics</i> , 2011 , 196, 41-47	3.3	136
276	Influence of Mg Doping on ZnO Nanoparticles for Enhanced Photocatalytic Evaluation and Antibacterial Analysis. <i>Nanoscale Research Letters</i> , 2018 , 13, 229	5	117
275	Influence of Ni nanoparticle on the morphology and growth of interfacial intermetallic compounds between Sn _{88.8} Ag _{0.7} Cu lead-free solder and copper substrate. <i>Intermetallics</i> , 2013 , 33, 8-15	3.5	101
274	Comprehensive review on nanocellulose: Recent developments, challenges and future prospects. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 110, 103884	4.1	73
273	Stability of molybdenum nanoparticles in Sn _{88.8} Ag _{0.7} Cu solder during multiple reflow and their influence on interfacial intermetallic compounds. <i>Materials Characterization</i> , 2012 , 64, 27-35	3.9	68
272	Eggshells: A novel bio-filler for intumescent flame-retardant coatings. <i>Progress in Organic Coatings</i> , 2015 , 81, 116-124	4.8	63
271	Conductivity and dielectric behaviour of PEO-based solid nanocomposite polymer electrolytes. <i>Solid State Communications</i> , 2012 , 152, 426-434	1.6	62
270	Application of Efficient Magnetic Particles and Activated Carbon for Dye Removal from Wastewater. <i>ACS Omega</i> , 2020 , 5, 20684-20697	3.9	62
269	Recent developments in biomass-derived carbon as a potential sustainable material for super-capacitor-based energy storage and environmental applications. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019 , 140, 54-85	6	61
268	Effects of various LiPF ₆ salt concentrations on PEO-based solid polymer electrolytes. <i>Ionics</i> , 2011 , 17, 399-405	2.7	57
267	Carbon nanofibers based copper/zirconia catalysts for carbon dioxide hydrogenation to methanol: Effect of copper concentration. <i>Chemical Engineering Journal</i> , 2018 , 334, 619-629	14.7	56
266	Structural, electronic, optical and thermodynamic investigations of NaXF ₃ (X = Ca and Sr): First-principles calculations. <i>Chinese Journal of Physics</i> , 2018 , 56, 131-144	3.5	52
265	Hybrid nanocellulose/f-MWCNTs nanocomposite for the electrochemical sensing of diclofenac sodium in pharmaceutical drugs and biological fluids. <i>Electrochimica Acta</i> , 2019 , 304, 323-333	6.7	48
264	Influences of flame-retardant fillers on fire protection and mechanical properties of intumescent coatings. <i>Progress in Organic Coatings</i> , 2015 , 78, 59-66	4.8	48
263	Physico-chemical properties of titania nanotubes synthesized via hydrothermal and annealing treatment. <i>Applied Surface Science</i> , 2011 , 258, 431-435	6.7	48
262	Synthesis and size dependent optical studies in CdSe quantum dots via inverse micelle technique. <i>Materials Chemistry and Physics</i> , 2010 , 124, 395-398	4.4	44
261	Graphene oxide and gold nanoparticle based dual platform with short DNA probe for the PCR free DNA biosensing using surface-enhanced Raman scattering. <i>Biosensors and Bioelectronics</i> , 2019 , 131, 214-223	11.8	44

260	Combined effect of CuO nanofillers and DBP plasticizer on ionic conductivity enhancement in the solid polymer electrolyte PEO/CF ₃ SO ₃ . <i>Ionics</i> , 2010 , 16, 335-338	2.7	42
259	Polycyclic aromatic hydrocarbons extraction and removal from wastewater by carbon nanotubes: A review of the current technologies, challenges and prospects. <i>Chemical Engineering Research and Design</i> , 2019 , 122, 68-82	5.5	41
258	Conductivity and optical studies of plasticized solid polymer electrolytes doped with carbon nanotube. <i>Journal of Luminescence</i> , 2012 , 132, 147-152	3.8	40
257	The formulation and study of the thermal stability and mechanical properties of an acrylic coating using chicken eggshell as a novel bio-filler. <i>Progress in Organic Coatings</i> , 2013 , 76, 1549-1555	4.8	37
256	Carbon nanofiber-based copper/zirconia catalyst for hydrogenation of CO ₂ to methanol. <i>Journal of CO₂ Utilization</i> , 2017 , 21, 145-155	7.6	37
255	Synthesis of Bimetallic Gold-Silver (Au-Ag) Nanoparticles for the Catalytic Reduction of 4-Nitrophenol to 4-Aminophenol. <i>Catalysts</i> , 2018 , 8, 412	4	37
254	Effect of Cobalt Catalyst Confinement in Carbon Nanotubes Support on Fischer-Tropsch Synthesis Performance. <i>Symmetry</i> , 2018 , 10, 572	2.7	35
253	Effects of Cobalt Loading, Particle Size, and Calcination Condition on Co/CNT Catalyst Performance in Fischer-Tropsch Reactions. <i>Symmetry</i> , 2019 , 11, 7	2.7	34
252	Enhancement of thermal conductivity and kinematic viscosity in magnetically controllable maghemite (Fe ₂ O ₃) nanofluids. <i>Experimental Thermal and Fluid Science</i> , 2016 , 77, 265-271	3	34
251	Synthesis and Growth Mechanism of Silver Nanowires through Different Mediated Agents (CuCl ₂ and NaCl) Polyol Process. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-7	3.2	33
250	Addition of cobalt nanoparticles into Sn-3.8Ag-0.7Cu lead-free solder by paste mixing. <i>Soldering and Surface Mount Technology</i> , 2011 , 23, 10-14	1.4	33
249	Recent developments in reduced graphene oxide nanocomposites for photoelectrochemical water-splitting applications. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 11976-11994	6.7	32
248	Eco-friendly approach in synthesis of silver nanoparticles and evaluation of optical, surface morphological and antimicrobial properties. <i>Journal of Nanostructure in Chemistry</i> , 2019 , 9, 153-162	7.6	29
247	Synthesis of new low-viscous sulfonic acid-functionalized ionic liquid and its application as a Brønsted liquid acid catalyst for the one-pot mechanochemical synthesis of 4H-pyrans through the ball milling process. <i>Journal of Molecular Liquids</i> , 2019 , 277, 794-804	6	29
246	Highly efficient green mesostructured urea functionalized on SBA-15 catalysts for selective synthesis of benzlidenmalononitrile. <i>Microporous and Mesoporous Materials</i> , 2018 , 256, 67-74	5.3	28
245	Synthesis, characterization and cytotoxicity studies of nanocrystalline cellulose from the production waste of rubber-wood and kenaf-bast fibers. <i>European Polymer Journal</i> , 2019 , 116, 352-360	5.2	27
244	Facile shape control synthesis and optical properties of silver nanoparticles stabilized by Daxad 19 surfactant. <i>Applied Surface Science</i> , 2011 , 257, 7494-7500	6.7	27
243	Mechanical characteristics of swollen elastomers under cyclic loading. <i>Materials & Design</i> , 2013 , 44, 566-572		26

242	Reduced graphene/nanostructured cobalt oxide nanocomposite for enhanced electrochemical performance of supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , 2020 , 558, 68-77	9.3	26
241	Advancements in electrochemical DNA sensor for detection of human papilloma virus - A review. <i>Analytical Biochemistry</i> , 2018 , 556, 136-144	3.1	25
240	Synthesis and evaluation of the structural, optical, and antibacterial properties of copper oxide nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	25
239	Preparation and Low-Temperature Sintering of Cu Nanoparticles for High-Power Devices. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2012 , 2, 587-592	1.7	25
238	Development of a compression test device for investigating interaction between diffusion of biodiesel and large deformation in rubber. <i>Polymer Testing</i> , 2011 , 30, 867-875	4.5	25
237	Effects of MnO ₂ nano-particles on the conductivity of PMMA-PEO-LiClO ₄ -EC polymer electrolytes. <i>Ionics</i> , 2011 , 17, 485-490	2.7	25
236	Effect of pH, Acid and Thermal Treatment Conditions on Co/CNT Catalyst Performance in Fischer-Tropsch Reaction. <i>Symmetry</i> , 2019 , 11, 50	2.7	24
235	Nanomaterials based electrochemical nucleic acid biosensors for environmental monitoring: A review. <i>Applied Surface Science Advances</i> , 2021 , 4, 100064	2.6	24
234	Enhanced amperometric detection of paracetamol by immobilized cobalt ion on functionalized MWCNTs - Chitosan thin film. <i>Analytical Biochemistry</i> , 2018 , 551, 29-36	3.1	24
233	Synthesis of Y ₃ Ba ₅ Cu ₈ O ₁₈ superconductor powder by auto-combustion reaction: Effects of citrate-triurate ratio. <i>Physica C: Superconductivity and Its Applications</i> , 2012 , 480, 75-78	1.3	22
232	Conductivity, thermal and morphology studies of PEO based salted polymer electrolytes. <i>Solid State Sciences</i> , 2012 , 14, 1111-1116	3.4	22
231	Effect of ZnO-water based nanofluids from sonochemical synthesis method on heat transfer in a circular flow passage. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 114, 104591	5.8	21
230	Noncentrosymmetric Sulfide Oxide MZnSO (M = Ca or Sr) with Strongly Polar Structure as Novel Nonlinear Crystals. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 27172-27180	3.8	21
229	Synthesis and growth kinetics of spindle CuO nanocrystals via pulsed wire explosion in liquid medium. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	21
228	Electromagnetic and microwave absorbing properties of amorphous carbon nanotube-cadmium selenide quantum dot hybrids. <i>Materials Chemistry and Physics</i> , 2013 , 139, 66-72	4.4	21
227	Efficient synthesis of butyl levulinate from furfuryl alcohol over ordered mesoporous Ti-KIT-6 catalysts for green chemistry applications. <i>RSC Advances</i> , 2017 , 7, 55206-55214	3.7	21
226	Tailoring the morphological features of sol-gel synthesized mesoporous hydroxyapatite using fatty acids as an organic modifier.. <i>RSC Advances</i> , 2019 , 9, 6228-6240	3.7	21
225	A facile hydrothermal approach for catalytic and optical behavior of tin oxide- graphene (SnO ₂ /G) nanocomposite. <i>PLoS ONE</i> , 2018 , 13, e0202694	3.7	21

224	Temperature-dependent properties of silver-poly(methylmethacrylate) nanocomposites synthesized by in-situ technique. <i>Nanoscale Research Letters</i> , 2014 , 9, 42	5	20
223	One dimensional CuO nanocrystals synthesis by electrical explosion: A study on structural, optical and electronic properties. <i>Journal of Alloys and Compounds</i> , 2014 , 586, 360-367	5.7	20
222	Conductivity, thermal and infrared studies on plasticized polymer electrolytes with carbon nanotubes as filler. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 210-216	3.9	20
221	Concentration-dependent properties of amorphous carbon nanotube/silica composites via the sol-gel technique. <i>CrystEngComm</i> , 2014 , 16, 8570-8575	3.3	19
220	Interaction between diffusion of palm biodiesel and large strain in rubber: Effect on stress-softening during cyclic loading. <i>Mechanics Research Communications</i> , 2012 , 43, 80-86	2.2	19
219	Synthesis of Al ₂ O ₃ nanoparticles highly distributed in YBa ₂ Cu ₃ O ₇ superconductor by citrate-biurate auto-combustion reaction. <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 492, 49-54	1.3	19
218	Impedance spectroscopy of carbon nanotube/solid polymer electrolyte composites. <i>Solid State Communications</i> , 2011 , 151, 1828-1832	1.6	19
217	Physico-chemical studies of amorphous carbon nanotubes synthesized at low temperature. <i>Materials Research Bulletin</i> , 2012 , 47, 1849-1854	5.1	18
216	Synthesis and characterizations of AgI nanoparticles via mechanochemical reaction. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2001-2006	5.7	18
215	Two novel binuclear sulfonic-functionalized ionic liquids: Influence of anion and carbon-spacer on catalytic efficiency for one-pot synthesis of bis(indolyl)methanes. <i>Journal of Molecular Liquids</i> , 2018 , 259, 260-273	6	17
214	Interfacial reaction and dissolution behavior of Cu substrate in molten Sn-3.8Ag-0.7Cu in the presence of Mo nanoparticles. <i>Soldering and Surface Mount Technology</i> , 2011 , 23, 140-149	1.4	17
213	Heat transfer growth of sonochemically synthesized novel mixed metal oxide ZnO+Al ₂ O ₃ +TiO ₂ /DW based ternary hybrid nanofluids in a square flow conduit. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 145, 111025	16.2	17
212	Enhanced Structural, Thermal, and Electrical Properties of Multiwalled Carbon Nanotubes Hybridized with Silver Nanoparticles. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-9	3.2	17
211	TiO ₂ Nanotubes Supported Cu Nanoparticles for Improving Photocatalytic Degradation of Simazine under UV Illumination. <i>Catalysts</i> , 2016 , 6, 167	4	17
210	Evaluation of Municipal Solid Wastes Based Energy Potential in Urban Pakistan. <i>Processes</i> , 2019 , 7, 848	2.9	17
209	An experimental study of elastic properties of dragonfly-like flapping wings for use in biomimetic micro air vehicles (BMAVs). <i>Chinese Journal of Aeronautics</i> , 2017 , 30, 726-737	3.7	16
208	Tailoring morphological characteristics of zinc oxide using a one-step hydrothermal method for photoelectrochemical water splitting application. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 17535-17543	6.7	16
207	Tailoring the structural, morphological, optical, thermal and dielectric characteristics of ZnO nanoparticles using starch as a capping agent. <i>Results in Physics</i> , 2019 , 15, 102543	3.7	16

206	Heptaplex Polymerase Chain Reaction Assay for the Simultaneous Detection of Beef, Buffalo, Chicken, Cat, Dog, Pork, and Fish in Raw and Heat-Treated Food Products. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 8268-8278	5.7	16
205	Facile fabrication of phase transformed cerium (IV) doped hydroxyapatite for biomedical applications [A health care approach. <i>Ceramics International</i> , 2020 , 46, 2510-2522	5.1	16
204	Effect of the oxidation process on the molecular interaction of polyaromatic hydrocarbons (PAH) with carbon nanotubes: Adsorption kinetic and isotherm study. <i>Journal of Molecular Liquids</i> , 2019 , 289, 111107	6	14
203	Physico-chemical studies of cuprous oxide (Cu ₂ O) nanoparticles coated on amorphous carbon nanotubes (ACNTs). <i>Applied Surface Science</i> , 2014 , 289, 450-454	6.7	14
202	Fire propagation performance of intumescent fire protective coatings using eggshells as a novel biofiller. <i>Scientific World Journal, The</i> , 2014 , 2014, 805094	2.2	14
201	Supported cobalt nanoparticles on graphene oxide/mesoporous silica for oxidation of phenol and electrochemical detection of H ₂ O ₂ and Salmonella spp. <i>Materials Chemistry and Physics</i> , 2019 , 232, 493-505	4.4	14
200	A one-step facile route synthesis of copper oxide/reduced graphene oxide nanocomposite for supercapacitor applications. <i>Journal of Experimental Nanoscience</i> , 2018 , 13, 284-296	1.9	14
199	Effect of graphene infusion on morphology and performance of natural rubber latex/graphene composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 12888-12894	2.1	13
198	Universal mitochondrial 16s rRNA biomarker for mini-barcode to identify fish species in Malaysian fish products. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2019 , 36, 493-506	3.2	13
197	Impact of TiO ₂ Nanotubes' Morphology on the Photocatalytic Degradation of Simazine Pollutant. <i>Materials</i> , 2018 , 11,	3.5	13
196	Annealing temperature effect on structural and optical investigations of Fe ₂ O ₃ nanostructure. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 2164-2169	5.5	12
195	An alternative, practical, and ecological protocol for synthesis of arylidene analogues of Meldrum's acid as useful intermediates. <i>Research on Chemical Intermediates</i> , 2019 , 45, 3291-3300	2.8	12
194	Fabrication of reduced graphene oxide/CeO ₂ nanocomposite for enhanced electrochemical performance. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	12
193	Synthesis, characterisation and stability of superparamagnetic maghemite nanoparticle suspension. <i>Materials Research Innovations</i> , 2014 , 18, S6-200-S6-203	1.9	12
192	Mullins effect in swollen rubber: Experimental investigation and constitutive modelling. <i>Polymer Testing</i> , 2013 , 32, 748-759	4.5	12
191	Synthesis, characterization and electrochemical properties of cadmium sulfide [Reduced graphene oxide nanocomposites. <i>Results in Physics</i> , 2019 , 12, 878-885	3.7	12
190	A support vector regression model for the prediction of total polyaromatic hydrocarbons in soil: an artificial intelligent system for mapping environmental pollution. <i>Neural Computing and Applications</i> , 2020 , 32, 14899-14908	4.8	11
189	One pot synthesis of hybrid ZnS/graphene nanocomposite with enhanced photocatalytic activities using hydrothermal approach. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 9099-9107	2.1	11

188	Facile synthesis of silver nanoparticles using Averrhoa bilimbi L and Plum extracts and investigation on the synergistic bioactivity using in vitro models. <i>Green Processing and Synthesis</i> , 2019 , 8, 873-884	3.9	11
187	Optimization of neural network for ionic conductivity of nanocomposite solid polymer electrolyte system (PEO/PF6ECNT). <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 329-340	3.7	11
186	Quantum Size Effect in ZnO Nanoparticles via Mechanical Milling. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-4	3.2	11
185	Bifunctional rice husk-derived SiO ₂ -Cu-Al-Mg nanohybrid catalyst for one-pot conversion of biomass-derived furfural to furfuryl acetate. <i>Fuel</i> , 2020 , 275, 117953	7.1	11
184	Static strength analysis of dragonfly inspired wings for biomimetic micro aerial vehicles. <i>Chinese Journal of Aeronautics</i> , 2016 , 29, 411-423	3.7	11
183	4,4'-Trimethylenedipiperidine (TMDP): An Efficient Organocatalyst for the Mechano-synthesis of Pyrano[4,3-b]pyrans under Solid-state Conditions. <i>Polycyclic Aromatic Compounds</i> , 2020 , 40, 1606-1615	1.3	11
182	Exploiting of geothermal energy reserve and potential in Saudi Arabia: A case study at Ain Al Harrah. <i>Energy Reports</i> , 2019 , 5, 632-638	4.6	10
181	Exploration of gum ghatti-modified porous scaffolds for bone tissue engineering applications. <i>New Journal of Chemistry</i> , 2020 , 44, 2389-2401	3.6	10
180	Tetraplex real-time PCR with TaqMan probes for discriminatory detection of cat, rabbit, rat and squirrel DNA in food products. <i>European Food Research and Technology</i> , 2019 , 245, 2183-2194	3.4	10
179	Recent developments in selective catalytic conversion of lignin into aromatics and their derivatives. <i>Biomass Conversion and Biorefinery</i> , 2020 , 10, 873-883	2.3	10
178	Mechano-synthesis of N-Methyl Imines Using Recyclable Imidazole-Based Acid-Scavenger: In Situ Formed Ionic Liquid as Catalyst and Dehydrating Agent. <i>Australian Journal of Chemistry</i> , 2019 , 72, 194	1.2	10
177	Green one-pot multicomponent synthesis of pyrrolidinones using planetary ball milling process under solvent-free conditions. <i>Synthetic Communications</i> , 2019 , 49, 1334-1342	1.7	9
176	Super-Amphiphobic Coating System Incorporating Functionalized Nano-Al ₂ O ₃ in Polyvinylidene Fluoride (PVDF) with Enhanced Corrosion Resistance. <i>Coatings</i> , 2020 , 10, 387	2.9	9
175	Effect of nitric acid concentrations on synthesis and stability of maghemite nanoparticles suspension. <i>Scientific World Journal, The</i> , 2014 , 2014, 589479	2.2	9
174	Optical and thermodynamic studies of silver nanoparticles stabilized by Daxad 19 surfactant. <i>International Journal of Materials Research</i> , 2011 , 102, 340-347	0.5	9
173	Interfacial reactions between Sn-3.5 Ag solder and NiW alloy films. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 1372-1377	2.1	9
172	Modeling of electrochemical intercalation of lithium into a LiMn ₂ O ₄ electrode using Green function. <i>Journal of Power Sources</i> , 2007 , 170, 490-494	8.9	9
171	Recent Application of the Various Nanomaterials and Nanocatalysts for the Heavy Metals Removal from Wastewater. <i>Nano</i> , 2018 , 13, 1830006	1.1	9

170	An Efficient Synthesis of Pyrrolidinone Derivatives in the Presence of 1,1?-Butylenebis(3-sulfo-3H-imidazol-1-ium) Chloride. <i>Australian Journal of Chemistry</i> , 2018 , 71, 566	1.2	8
169	Synthesis, structure, and electrochemistry of Ag-modified LiMn ₂ O ₄ cathode materials for lithium-ion batteries. <i>Ionics</i> , 2010 , 16, 859-863	2.7	8
168	Role of mesoporous silica nanoparticles for the drug delivery applications. <i>Materials Research Express</i> , 2020 , 7, 102002	1.7	8
167	Vanadium and Nitrogen Co-Doped Titanium Dioxide (TiO ₂) with Enhanced Photocatalytic Performance: Potential in Wastewater Treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 741-751	1.3	8
166	Grafting of straight alkyl chain improved the hydrophobicity and tribological performance of graphene oxide in oil as lubricant. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114276	6	8
165	Effect of Synthesis Temperature on the Morphologies, Optical and Electrical Properties of MgO Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 2488-2494	1.3	8
164	Tunable optical properties of Mn-doped CdSe quantum dots synthesized via inverse micelle technique. <i>Optical Materials Express</i> , 2016 , 6, 2915	2.6	8
163	Facile and greener hydrothermal honey-based synthesis of Fe ₃ O ₄ /Au core/shell nanoparticles for drug delivery applications. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 6624-6631	4.7	8
162	Phosphotungstic acid-Titania loaded polyaniline nanocomposite as efficient methanol electro-oxidation catalyst in fuel cells. <i>International Journal of Energy Research</i> , 2021 , 45, 8243-8254	4.5	8
161	Ultrasonic assisted new Al ₂ O ₃ @TiO ₂ -ZnO/DW ternary composites nanofluids for enhanced energy transportation in a closed horizontal circular flow passage. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 120, 105018	5.8	8
160	Ester of thiolated butylated hydroxytoluene: Potential antioxidant for synthetic lubricant oil. <i>Thermochimica Acta</i> , 2018 , 670, 7-12	2.9	8
159	Cu-Doped SnO ₂ Nanoparticles: Synthesis and Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 7139-7148	1.3	7
158	TaqMan probe based multiplex quantitative PCR assay for determination of bovine, porcine and fish DNA in gelatin admixture, food products and dietary supplements. <i>Food Chemistry</i> , 2020 , 325, 126756	8.5	7
157	Hybrid nanocomposite of functionalized multiwall carbon nanotube, nitrogen doped graphene and chitosan with electrodeposited copper for the detection of anticancer drug nilutamide in tablet and biological samples. <i>Materials Chemistry and Physics</i> , 2020 , 253, 123393	4.4	7
156	Synthesis of a series of novel dihydro-[1,2,4]triazolo [1,5-a]pyrimidine scaffolds: Dual solvent-catalyst activity of a low viscous and acid-functionalized ionic liquid. <i>Synthetic Communications</i> , 2020 , 50, 1633-1640	1.7	7
155	Enhanced structural properties of In ₂ O ₃ nanoparticles at lower calcination temperature synthesised by co-precipitation method. <i>Micro and Nano Letters</i> , 2018 , 13, 270-275	0.9	7
154	Low dimensional CuO nanocomposites synthesis by pulsed wire explosion and their crystal growth mechanism. <i>Ceramics International</i> , 2014 , 40, 9907-9916	5.1	7
153	Effect of zirconium oxide nanofiller and dibutyl phthalate plasticizer on ionic conductivity and optical properties of solid polymer electrolyte. <i>Scientific World Journal, The</i> , 2014 , 2014, 547076	2.2	7

152	Investigation on solvent-borne intumescent flame-retardant coatings for steel. <i>Materials Research Innovations</i> , 2014 , 18, S6-384-S6-388	1.9	7
151	Preparation of Nickel Zinc Ferrite by Electrophoretic Deposition. <i>Journal of the Electrochemical Society</i> , 2011 , 159, E18-E22	3.9	7
150	Influence of Mn Doping on the Properties of Tin Oxide Nanoparticles Prepared by Co-Precipitation Method. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2019 , 14, 583-592	1.3	7
149	Fabrication of amperometric sensor for glucose detection based on phosphotungstic acid-assisted PDPA/ZnO nanohybrid composite. <i>Ionics</i> , 2020 , 26, 6341-6349	2.7	7
148	Functionalization of graphene-based materials: Effective approach for enhancement of tribological performance as lubricant additives. <i>Diamond and Related Materials</i> , 2021 , 115, 108357	3.5	7
147	Drug Leaching Properties of Vancomycin Loaded Mesoporous Hydroxyapatite as Bone Substitutes. <i>Processes</i> , 2019 , 7, 826	2.9	7
146	Raman spectroscopy and FTIR spectroscopy studies of Mn-doped CdSe QDs at different particles size. <i>Optik</i> , 2019 , 179, 628-631	2.5	7
145	Application of nitrogen-rich porous organic polymer for the solid-phase synthesis of 2-amino-4H-benzo[b]pyran scaffolds using ball milling process. <i>Molecular Diversity</i> , 2021 , 25, 323-332	3.1	7
144	The improved photocatalytic activity of highly expanded MoS ₂ under visible light emitting diodes. <i>Nanoscale Advances</i> , 2021 , 3, 1106-1120	5.1	7
143	Detection and discrimination of seven highly consumed meat species simultaneously in food products using heptaplex PCR-RFLP assay. <i>Journal of Food Composition and Analysis</i> , 2021 , 100, 103938	4.1	7
142	Electrodeposition of BiVO ₄ with needle-like flower architecture for high performance photoelectrochemical splitting of water. <i>Ceramics International</i> , 2021 , 47, 24227-24239	5.1	7
141	Functionalized graphene-based nanocomposites for smart optoelectronic applications. <i>Nanotechnology Reviews</i> , 2021 , 10, 605-635	6.3	7
140	Quantitative duplex real-time polymerase chain reaction assay with TaqMan probe detects and quantifies <i>Crocodylus porosus</i> in food chain and traditional medicines. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2019 , 36, 825-835	3.2	6
139	Optimization of silver nanodendrites for surface enhanced Raman spectroscopy (SERS) in an acidic environment. <i>Optik</i> , 2018 , 164, 297-302	2.5	6
138	Microhardness of Al ₂ O ₃ nanoparticles added YBa ₂ Cu ₃ O _{7-x} superconductor prepared using auto-combustion reaction. <i>Materials Research Innovations</i> , 2014 , 18, S6-73-S6-77	1.9	6
137	Excellent Cyclic Retention and Supercapacitive Performance of Electrochemically Active Nanocomposite Electrode. <i>Sensor Letters</i> , 2020 , 18, 395-400	0.9	6
136	Recent Advances in the Nano-Catalytic Knoevenagel Condensation. <i>Mini-Reviews in Organic Chemistry</i> , 2020 , 17, 828-842	1.7	6
135	Effect of Manganese on Co-Mn/CNT Bimetallic Catalyst Performance in Fischer-Tropsch Reaction. <i>Symmetry</i> , 2019 , 11, 1328	2.7	6

134	Exploring E-Waste Resources Recovery in Household Solid Waste Recycling. <i>Processes</i> , 2020 , 8, 1047	2.9	6
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