

Mohd Rafie Bin Johan

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.

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	Superparamagnetic Iron Oxide Decorated Indium Hydroxide Nanocomposite: Synthesis, Characterization and Its Photocatalytic Activity. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2022 , 17, 113-126	1.7	0
276	Highly effective removal of volatile organic pollutants with p-n heterojunction photoreduced graphene oxide-TiO ₂ photocatalyst. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107304	6.8	1
275	Insight into Structural Features of Magnetic Kaolinite Nanocomposite and Its Potential for Methylene Blue Dye Removal from Aqueous Solution. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2022 , 17, 205-215	1.7	0
274	Advanced photocatalytic degradation of acetaminophen using Cu ₂ O/WO ₃ /TiO ₂ ternary composite under solar irradiation. <i>Catalysis Communications</i> , 2022 , 163, 106396	3.2	0
273	4-(Dimethylamino)pyridinium chlorosulfonate: A new ionic liquid exhibiting chlorosulfonic acid action as monoprotic Brønsted acid and no sulfonating reagent. <i>Journal of Molecular Liquids</i> , 2022 , 345, 118261	6	
272	The Optical Properties of Polyvinyl Alcohol (PVA), Phosphorylated Polyvinyl Alcohol (PPVA), and Phosphorylated Polyvinyl Alcohol/Aluminum Phosphate (PPVA-AlPO ₄) Nanocomposites: Effect of Phosphate Groups. <i>Advanced Structured Materials</i> , 2022 , 179-187	0.6	
271	Desalination technology for energy-efficient and low-cost water production: A bibliometric analysis. <i>Green Processing and Synthesis</i> , 2022 , 11, 306-315	3.9	0
270	Design and Synthesis of Multipotent Antioxidants for Functionalization of Iron Oxide Nanoparticles. <i>Coatings</i> , 2022 , 12, 517	2.9	0
269	Facile synthesis of multifunctional C@FeO-MoO-rGO ternary composite and its versatile roles as sonoadsorbent to ameliorate triphenylmethane textile dye and as potential electrode for supercapacitor applications.. <i>Environmental Research</i> , 2022 , 113417	7.9	
268	Nucleic acid-based electrochemical biosensors for rapid clinical diagnosis: Advances, challenges, and opportunities. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2021 , 1-22	9.4	4
267	Halal and Kosher gelatin: Applications as well as detection approaches with challenges and prospects. <i>Food Bioscience</i> , 2021 , 101422	4.9	5
266	Electrochemical biosensors with Aptamer recognition layer for the diagnosis of pathogenic bacteria: Barriers to commercialization and remediation. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 145, 116458	14.6	2
265	Influence of graphene concentration towards the thermo-acoustic and vibrational properties of graphene: polyvinyl alcohol composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 10359-10367	2.1	1
264	Plasmonic SERS active nanostructured Ag@BiO ₂ at optimum volume ratio synthesized via sol-gel technique. <i>Physica B: Condensed Matter</i> , 2021 , 606, 412638	2.8	2
263	Evaluation on Enhanced Heat Transfer Using Sonochemically Synthesized Stable ZnO-Eg@Dw Nanofluids in Horizontal Calibrated Circular Flow Passage. <i>Energies</i> , 2021 , 14, 2400	3.1	2
262	Kinetic and isotherm studies on adsorptive removal of sulfates by cotton shell derived biochar: Recovery of sulfates from marcasite soil. <i>Sustainable Chemistry and Pharmacy</i> , 2021 , 20, 100361	3.9	3
261	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

260	Nanomaterials based electrochemical nucleic acid biosensors for environmental monitoring: A review. <i>Applied Surface Science Advances</i> , 2021 , 4, 100064	2.6	24
259	Short targeting multiplex PCR assay to detect and discriminate beef, buffalo, chicken, duck, goat, sheep and pork DNA in food products. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2021 , 38, 1273-1288	3.2	3
258	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
257	Bone tissue engineering potentials of 3D printed magnesium-hydroxyapatite in polylactic acid composite scaffolds. <i>Artificial Organs</i> , 2021 , 45, 1501-1512	2.6	1
256	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
255	One-pot sonochemical synthesis route for the synthesis of ZnO@TiO ₂ /DW hybrid/composite nanofluid for enhancement of heat transfer in a square heat exchanger. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 1139-1155	4.1	2
254	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
253	Solar energy and TiO ₂ nanotubes: Biodiesel production from waste cooking olive oil. <i>Environmental Progress and Sustainable Energy</i> , 2021 , 40, e13537	2.5	5
252	Structural, electronic and optoelectronic properties of AB ₅ C ₈ (A = Cu/Ag; B = In and C = S, Se and Te) compounds. <i>International Journal of Energy Research</i> , 2021 , 45, 4014-4025	4.5	1
251	EDTA functionalised cocoa pod carbon encapsulated SPIONs via green synthesis route to ameliorate textile dyes - Kinetics, isotherms, central composite design and artificial neural network. <i>Sustainable Chemistry and Pharmacy</i> , 2021 , 19, 100349	3.9	6
250	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
249	Synthesis, Characterisation, and Determination of Physical Properties of New Two-Protonic Acid Ionic Liquid and its Catalytic Application in the Esterification. <i>Australian Journal of Chemistry</i> , 2021 , 74, 165	1.2	3
248	Smart stimuli-responsive nanocarriers for the cancer therapy [nanomedicine]. <i>Nanotechnology Reviews</i> , 2021 , 10, 933-953	6.3	2
247	Semicarbazide and thiosemicarbazide containing butylated hydroxytoluene moiety: new potential antioxidant additives for synthetic lubricating oil.. <i>RSC Advances</i> , 2021 , 11, 7138-7145	3.7	1
246	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
245	Synthesis and characterization of a new acid molten salt and the study of its thermal behavior and catalytic activity in Fischer esterification. <i>New Journal of Chemistry</i> , 2021 , 45, 7081-7088	3.6	3
244	4,4'-trimethylenedipiperidine as a nitrogen heterocycle solvent and/or catalyst: Liquid phase tandem Knoevenagel-Michael condensation. <i>Turkish Journal of Chemistry</i> , 2021 , 45, 261-268	1	5
243	Simple dispersion of graphene incorporated rubber composite for resistive pressure sensor application. <i>Polymer Engineering and Science</i> , 2021 , 61, 1476-1484	2.3	3

242	Adsorption Studies of Volatile Organic Compound (Naphthalene) from Aqueous Effluents: Chemical Activation Process Using Weak Lewis Acid, Equilibrium Kinetics and Isotherm Modelling. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
241	Electromagnetic Characterization of a Multiwalled Carbon Nanotubes-Silver Nanoparticles-Reinforced Polyvinyl Alcohol Hybrid Nanocomposite in X-Band Frequency. <i>ACS Omega</i> , 2021 , 6, 4184-4191	3.9	6
240	Synthesis, structure elucidation, vibrational and thermal behavior study of new one-core dication molten-salt. <i>Journal of Molecular Structure</i> , 2021 , 1235, 130134	3.4	1
239	MoS ₂ -Functionalized Graphene Composites Potential Replacement for Lubricant Friction Modifier and Anti-Wear Additives. <i>Advanced Engineering Materials</i> , 2021 , 23, 2100030	3.5	1
238	Tri-metallic Co-Ni-Cu based metal organic framework nanostructures for the detection of an anticancer drug nilutamide. <i>Sensors and Actuators A: Physical</i> , 2021 , 325, 112711	3.9	4
237	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
236	Enhanced Photocatalytic Activity of rGO-CuO Nanocomposites for the Degradation of Organic Pollutants. <i>Catalysts</i> , 2021 , 11, 1008	4	5
235	Synthesis, characterization, and a study of the influence of [HSO ₄] ⁻ and [SO ₄] ²⁻ on thermal phase transition and thermal stability of two new organic acid salts containing dication cyclic amine. <i>Journal of Molecular Liquids</i> , 2021 , 336, 116856	6	1
234	A high-capacity of oxygen induced SrTiO ₃ cathode material for rechargeable Alkaline Zinc battery. <i>Materials Science in Semiconductor Processing</i> , 2021 , 130, 105802	4.3	4
233	Experimental evaluation and numerical verification of enhanced heat transportation by using ultrasonic assisted nanofluids in a closed horizontal circular passage. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101026	5.6	3
232	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
231	Influence of Reaction pH towards the Physicochemical Characteristics of Phosphorylated Polyvinyl Alcohol-Aluminum Phosphate Nanocomposite. <i>Coatings</i> , 2021 , 11, 1105	2.9	
230	Enhanced gas sensing and photocatalytic activity of reduced graphene oxide loaded TiO ₂ nanoparticles. <i>Chemical Physics Letters</i> , 2021 , 780, 138897	2.5	5
229	Synthesis, characterization, and photocatalytic activity of PPy/SnO ₂ nanocomposite. <i>Chemical Physics Letters</i> , 2021 , 783, 139051	2.5	4
228	A novel photoanode based on Thorium oxide (ThO ₂) incorporated with graphitic Carbon nitride (g-C ₃ N ₄) for Photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2021 , 569, 151043	6.7	3
227	Synthesis and characterization of two new molten acid salts: Safe and greener alternatives to sulfuric acid for the hydrolytic conversion of 1,1,1,3-tetrachloro-3-phenylpropane to cinnamic acid. <i>Journal of Molecular Structure</i> , 2021 , 1245, 130977	3.4	1
226	Functionalized graphene-based nanocomposites for smart optoelectronic applications. <i>Nanotechnology Reviews</i> , 2021 , 10, 605-635	6.3	7
225	Recycled Activated Carbon-Based Materials for the Removal of Organic Pollutants from Wastewater. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021 , 513-539	0.4	4

224	DNA-based methods for species identification in food forensic science 2021 , 181-211		0
223	Current trends in polymerase chain reaction based detection of three major human pathogenic vibrios. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 1-19	11.5	3
222	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
221	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
220	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
219	Catalytic Application of 1,4-Piperazinediethanesulfonic Acid (PIPES) for the One-pot Multicomponent Synthesis of Pyrano[4,3-b]pyrans. <i>Organic Preparations and Procedures International</i> , 2020 , 52, 368-373	1.1	2
218	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
217	Effect of Pressure, H ₂ /CO Ratio and Reduction Conditions on Co/Mn/CNT Bimetallic Catalyst Performance in Fischer-Tropsch Reaction. <i>Symmetry</i> , 2020 , 12, 698	2.7	1
216	The structure elucidation of new ionic liquid and its application for the synthesis of a series of novel triazolo[1,5-a]pyrimidine scaffolds. <i>Journal of Molecular Structure</i> , 2020 , 1219, 128592	3.4	4
215	The structure elucidation of new mono-core dicationic salt-containing chlorosulfonate counterion: Raman study of a pure sample of chlorosulfonate anion in the solid and liquid state. <i>Journal of Molecular Structure</i> , 2020 , 1216, 128182	3.4	3
214	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
213	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
212	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
211	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
210	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
209	Synthesis of Iron Oxide@Pt Core-Shell Nanoparticles for Reductive Conversion of Cr(VI) to Cr(III) and Antibacterial Studies. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 918-923	1.3	5
208	Excellent Cyclic Retention and Supercapacitive Performance of Electrochemically Active Nanocomposite Electrode. <i>Sensor Letters</i> , 2020 , 18, 395-400	0.9	6
207	Effect of integrated anneal optimizations of electroplated Cu thin films interconnects. <i>Microelectronics Reliability</i> , 2020 , 114, 113887	1.2	

206	Recent Advances in Water Treatment Using Graphene-based Materials. <i>Mini-Reviews in Organic Chemistry</i> , 2020 , 17, 74-90	1.7	4
205	Recent Advances in the Nano-Catalytic Knoevenagel Condensation. <i>Mini-Reviews in Organic Chemistry</i> , 2020 , 17, 828-842	1.7	6
204	A Green Alternative for Aryl Iodide Preparation from Aromatic Amines. <i>Current Organic Synthesis</i> , 2020 , 17, 131-135	1.9	
203	New protocols for the synthesis of 5-amino-7-(4-phenyl)-4,7-dihydro-[1,2,4]triazolo[1,5-a]pyrimidine-6-carboxylate esters using an efficient additive. <i>Turkish Journal of Chemistry</i> , 2020 , 44, 1100-1109	1	0
202	Thermal Degradation of Unsaturated Polyester and Composite Fiberglass Embedded with Aluminium Phosphate. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 117-124	0.4	3
201	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
200	Role of mesoporous silica nanoparticles for the drug delivery applications. <i>Materials Research Express</i> , 2020 , 7, 102002	1.7	8
199	Novel zwitterionic and ionic structures of imidazolium propane sulfonate salts on basis of NMR analysis. <i>Journal of Molecular Structure</i> , 2020 , 1202, 127335	3.4	2
198	Junction engineering in two-stepped recessed SiGe MOSFETs for high performance application 2020 ,		2
197	Super Stability of Ag Nanoparticle in Crystalline Lamellar (Lc) Liquid Crystal Matrix at Different pH Environment. <i>Symmetry</i> , 2020 , 12, 31	2.7	2
196	Synergistic effects of rubber band infused graphene nanocomposite on morphology, spectral, and dynamic mechanical properties. <i>Polymer Composites</i> , 2020 , 41, 1475-1480	3	3
195	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
194	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
193	Improved antimicrobial efficacy and photocatalytic performance of gold decorated titanium dioxide nanohybrid. <i>Optik</i> , 2020 , 224, 165515	2.5	5
192	Influence of Incorporated Barium Ion on the Physio-Chemical Properties of Zinc Oxide Nanodisks Synthesized via a Sonochemical Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 5452-5457	1.3	2
191	Synergistic effect of industrial- and bio-fillers waterborne intumescent hybrid coatings on flame retardancy, physical and mechanical properties. <i>Progress in Organic Coatings</i> , 2020 , 149, 105905	4.8	3
190	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
189	Design, synthesis, characterization, and physical property determination of a new ionic liquid: the preparation of triazolo-pyrimidines at room temperature under metal-free conditions. <i>Research on Chemical Intermediates</i> , 2020 , 46, 4645-4658	2.8	2

188	Application of Efficient Magnetic Particles and Activated Carbon for Dye Removal from Wastewater. <i>ACS Omega</i> , 2020 , 5, 20684-20697	3.9	62
187	Greener and facile synthesis of 4,4'-(arylmethylene)bis(3-methyl-1-phenyl-1H-pyrazol-5-ol)s through a conventional heating procedure. <i>Synthetic Communications</i> , 2020 , 50, 3276-3286	1.7	5
186	Asymmetric Cellulosic Membranes: Current and Future Aspects. <i>Symmetry</i> , 2020 , 12, 1160	2.7	3
185	Facile and green synthesis of a series of dihydro-[1,2,4]triazolo[1,5-a]pyrimidine scaffolds. <i>Canadian Journal of Chemistry</i> , 2020 , 98, 630-634	0.9	0
184	Arene diazonium saccharin intermediates: a greener and cost-effective alternative method for the preparation of aryl iodide. <i>Turkish Journal of Chemistry</i> , 2020 , 44, 535-542	1	1
183	1H,4H-Piperazine-dium Dichlorosulfonate: Structure Elucidation and its Dual Solvent-Catalyst Activity for the Synthesis of New Dihydro-[1,2,4]triazolo[1,5-a]pyrimidine Scaffolds. <i>Australian Journal of Chemistry</i> , 2020 , 73, 1118	1.2	3
182	Exploring E-Waste Resources Recovery in Household Solid Waste Recycling. <i>Processes</i> , 2020 , 8, 1047	2.9	6
181	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
180	Butylated hydroxy benzylidene ring: an important moiety for antioxidant synergism of semicarbazones. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 1	4.1	1
179	Authentication of Halal and Kosher meat and meat products: Analytical approaches, current progresses and future prospects. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 1-26	11.5	6
178	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
177	Synthesis of Quinoline Derivatives via the Friedländer Annulation Using a Sulfonic Acid Functionalized Liquid Acid as Dual Solvent-Catalyst. <i>Polycyclic Aromatic Compounds</i> , 2020 , 40, 1223-1237 ¹⁻³	1.3	6
176	4,4'-Trimethylenedipiperidine (TMDP): An Efficient Organocatalyst for the Mechanosynthesis of Pyrano[4,3-b]pyrans under Solid-state Conditions. <i>Polycyclic Aromatic Compounds</i> , 2020 , 40, 1606-1615	1.3	11
175	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
174	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
173	Lattice Strain Analysis of a Mn-Doped CdSe QD System Using Crystallography Techniques. <i>Processes</i> , 2019 , 7, 639	2.9	3
172	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
171	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

170	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
169	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
168	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
167	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
166	Cu-Doped SnO ₂ Nanoparticles: Synthesis and Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 7139-7148	1.3	7
165	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
164	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
163	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
162	Nanosopic tannic acid - ZnO colloid: low temperature synthesis and the influence of pH on the aggregates. <i>Materials Research Express</i> , 2019 , 6, 065007	1.7	4
161	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
160	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
159	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
158	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
157	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
156	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
155	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
154	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
153	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

152	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
151	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
150	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
149	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
148	Investigation on Surface Properties of Mn-Doped CdSe Quantum Dots Studied by X-ray Photoelectron Spectroscopy. <i>Symmetry</i> , 2019 , 11, 1250	2.7	1
147	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
146	Nickel Doped Tin Oxide Nanoparticles: Magnetic, Dielectric and Electrical Properties. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2019 , 14, 614-621	1.3	2
145	Effect of Manganese on Co-Mn/CNT Bimetallic Catalyst Performance in Fischer-Tropsch Reaction. <i>Symmetry</i> , 2019 , 11, 1328	2.7	6
144	The employment of q-PCR using specific primer targeting on mitochondrial cytochrome-b gene for identification of wild boar meat in meatball samples. <i>Journal of Advanced Veterinary and Animal Research</i> , 2019 , 6, 300-307	1.7	4
143	Poly(vinyl pyridine): A Versatile Polymer in Catalysis. <i>Current Organic Chemistry</i> , 2019 , 23, 439-479	1.7	2
142	1,1'-Butylenebis(3-sulfo-3H-imidazol-1-ium) hydrogensulfate: a versatile task-specific ionic liquid catalyst for the synthesis of 4H-pyran scaffolds through non-conventional process. <i>Monatshefte für Chemie</i> , 2019 , 150, 655-662	1.4	4
141	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
140	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
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