

# Rajender S Varma

## 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.

217  
papers

7,183  
citations

47  
h-index

73  
g-index

236  
ext. papers

10,250  
ext. citations

7.6  
avg, IF

7.34  
L-index

#	Paper	IF	Citations
217	Quantum dots against SARS-CoV-2: diagnostic and therapeutic potentials.. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2022</b> ,	3.5	2
216	CoreShell Nanophotocatalysts: Review of Materials and Applications. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 55-86	5.6	10
215	Highly exfoliated Ti3C2Tx MXene nanosheets atomically doped with Cu for efficient electrochemical CO2 reduction: an experimental and theoretical study. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 1965-1975	13	13
214	Fabrication of intimately coupled CeO2/ZnFe2O4 nano-heterojunction for visible-light photocatalysis and bactericidal application. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 279, 125759	4.4	5
213	Applications of plant-based nanoparticles in nanomedicine: A review. <i>Sustainable Chemistry and Pharmacy</i> , <b>2022</b> , 25, 100606	3.9	9
212	Pomegranate Punica granatum peel waste as a naked-eye natural colorimetric sensor for the detection and determination of Fe and I ions in water.. <i>Chemosphere</i> , <b>2022</b> , 294, 133759	8.4	2
211	Designing Z-scheme AgIO nanorod embedded with BiS nanoflakes for expeditious visible light photodegradation of Congo red and rhodamine B.. <i>Chemosphere</i> , <b>2022</b> , 133755	8.4	3
210	Ionic liquids-assisted greener preparation of silver nanoparticles. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2022</b> , 33, 100581	7.9	2
209	Magnetic nanocarriers adorned on graphene: promising contrast-enhancing agents with state-of-the-art performance in magnetic resonance imaging (MRI) and theranostics. <i>Materials Advances</i> , <b>2022</b> , 3, 2971-2989	3.3	0
208	Single-atom catalysts for the upgrading of biomass-derived molecules: an overview of their preparation, properties and applications. <i>Green Chemistry</i> , <b>2022</b> , 24, 2722-2751	10	1
207	Nonlinear molecular dynamics of quercetin in Gynocardia odorata and Diospyros malabarica fruits: Its mechanistic role in hepatoprotection.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0263917	3.7	0
206	Smart MXene Quantum Dot-Based Nanosystems for Biomedical Applications.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	8
205	Bio-inspired sustainable synthesis of silver chloride nanoparticles and their prominent applications. <i>Journal of the Indian Chemical Society</i> , <b>2022</b> , 99, 100335		1
204	Improving the air quality with Functionalized Carbon Nanotubes: Sensing and remediation applications in the real world.. <i>Chemosphere</i> , <b>2022</b> , 134468	8.4	4
203	MXene (TiCT)-Embedded Nanocomposite Hydrogels for Biomedical Applications: A Review.. <i>Materials</i> , <b>2022</b> , 15,	3.5	7
202	Carbohydrate-based nanostructured catalysts: applications in organic transformations. <i>Materials Today Chemistry</i> , <b>2022</b> , 24, 100869	6.2	3
201	Nanosponges for Water Treatment: Progress and Challenges. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 4182	2.6	1

200	Protein by-products: Composition, extraction, and biomedical applications.. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2022</b> , 1-46	11.5	0
199	Remediation of heavy metal polluted waters using activated carbon from lignocellulosic biomass: An update of recent trends.. <i>Chemosphere</i> , <b>2022</b> , 302, 134825	8.4	3
198	Genetically Engineered Organisms: Possibilities and Challenges of Heavy Metal Removal and Nanoparticle Synthesis. <i>Clean Technologies</i> , <b>2022</b> , 4, 502-511	3.4	0
197	Gene Editing-Based Technologies for Beta-hemoglobinopathies Treatment. <i>Biology</i> , <b>2022</b> , 11, 862	4.9	
196	Nanotechnology-Abetted Astaxanthin Formulations in Multimodel Therapeutic and Biomedical Applications.. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> ,	8.3	6
195	Porphyrin Molecules Decorated on Metal-Organic Frameworks for Multi-Functional Biomedical Applications. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	5
194	Green synthesis of novel 5-amino-bispyrazole-4-carbonitriles using a recyclable FeO@SiO@vanillin@thioglycolic acid nano-catalyst.. <i>RSC Advances</i> , <b>2021</b> , 12, 834-844	3.7	4
193	Single-Atom (Iron-Based) Catalysts: Synthesis and Applications. <i>Chemical Reviews</i> , <b>2021</b> , 121, 13620-13697	18.1	23
192	Sustainable Visible Light-Driven Heck and Suzuki Reactions Using NiCu Nanoparticles Adorned on Carbon Nano-onions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 14061-14069	8.3	1
191	Syntheses of N-Doped Carbon Quantum Dots (NCQDs) from Bioderived Precursors: A Timely Update. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 3-49	8.3	26
190	Magnetic Mg <sub>0.5</sub> Zn <sub>0.5</sub> FeMnO <sub>4</sub> nanoparticles: Green sol-gel synthesis, characterization, and photocatalytic applications. <i>Journal of Cleaner Production</i> , <b>2021</b> , 288, 125632	10.3	36
189	Important Roles of Oligo- and Polysaccharides against SARS-CoV-2: Recent Advances. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3512	2.6	8
188	MXenes for Cancer Therapy and Diagnosis: Recent Advances and Current Challenges. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 1900-1913	5.5	19
187	Biomedical application of chitosan-based nanoscale delivery systems: Potential usefulness in siRNA delivery for cancer therapy. <i>Carbohydrate Polymers</i> , <b>2021</b> , 260, 117809	10.3	42
186	Natural Polymers Decorated MOF-MXene Nanocarriers for Co-delivery of Doxorubicin/pCRISPR.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 5106-5121	4.1	25
185	Hydrothermal self - sacrificing growth of polymorphous MnO <sub>2</sub> on magnetic porous - carbon (Fe <sub>3</sub> O <sub>4</sub> @Cg/MnO <sub>2</sub> ): A sustainable nanostructured catalyst for activation of molecular oxygen. <i>Molecular Catalysis</i> , <b>2021</b> , 509, 111603	3.3	9
184	Leaf Extract Stabilized Zinc Oxide Nanoparticles: A Promising Photocatalyst for Methylene Blue Degradation. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	7
183	Multifunctional 3D Hierarchical Bioactive Green Carbon-Based Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 8706-8720	8.3	20

182	Phytosynthesis and modification of metal and metal oxide nanoparticles/nanocomposites for antibacterial and anticancer activities: Recent advances. <i>Sustainable Chemistry and Pharmacy</i> , <b>2021</b> , 21, 100412	3.9	14
181	Turning Toxic Nanomaterials into a Safe and Bioactive Nanocarrier for Co-delivery of DOX/pCRISPR.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 5336-5351	4.1	21
180	Diatoms with Invaluable Applications in Nanotechnology, Biotechnology, and Biomedicine: Recent Advances. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 3053-3068	5.5	28
179	Green chemistry and coronavirus. <i>Sustainable Chemistry and Pharmacy</i> , <b>2021</b> , 21, 100415	3.9	15
178	Impact of Microwaves on Organic Synthesis and Strategies toward Flow Processes and Scaling Up. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 13857-13872	4.2	10
177	Transforming gum wastes into high tap density micron-sized carbon with ultra-stable high-rate Li storage. <i>Electrochimica Acta</i> , <b>2021</b> , 367, 137419	6.7	3
176	Metal-free nanostructured catalysts: sustainable driving forces for organic transformations. <i>Green Chemistry</i> , <b>2021</b> , 23, 6223-6272	10	19
175	An environmentally friendly wound dressing based on a self-healing, extensible and compressible antibacterial hydrogel. <i>Green Chemistry</i> , <b>2021</b> , 23, 1312-1329	10	28
174	Recent Developments in Polymer Nanocomposite-Based Electrochemical Sensors for Detecting Environmental Pollutants.. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 1112-1136	3.9	55
173	Determining factors for the nano-biocompatibility of cobalt oxide nanoparticles: proximal discrepancy in intrinsic atomic interactions at differential vicinage. <i>Green Chemistry</i> , <b>2021</b> , 23, 3439-3458 <sup>10</sup>	10	11
172	Engineering graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) for catalytic reduction of CO <sub>2</sub> to fuels and chemicals: strategy and mechanism. <i>Green Chemistry</i> , <b>2021</b> , 23, 5394-5428	10	35
171	Quantum dots for photocatalysis: synthesis and environmental applications. <i>Green Chemistry</i> , <b>2021</b> , 23, 4931-4954	10	22
170	MXenes and MXene-based materials for tissue engineering and regenerative medicine: recent advances. <i>Materials Advances</i> , <b>2021</b> , 2, 2906-2917	3.3	17
169	Silver nanomaterials: synthesis and (electro/photo) catalytic applications. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 11293-11380	58.5	20
168	Eco-Friendly and Economic, Adsorptive Removal of Cationic and Anionic Dyes by Bio-Based Karaya Gum-Chitosan Sponge. <i>Polymers</i> , <b>2021</b> , 13,	4.5	15
167	Naphthoquinone derivatives exhibit apoptosis-like effect and anti-trypanosomal activity against <i>Trypanosoma evansi</i> . <i>Veterinary Parasitology</i> , <b>2021</b> , 290, 109367	2.8	5
166	Electrochemical Detection of Hydrazine by Carbon Paste Electrode Modified with Ferrocene Derivatives, Ionic Liquid, and CoS-Carbon Nanotube Nanocomposite. <i>ACS Omega</i> , <b>2021</b> , 6, 4641-4648	3.9	15
165	Enhancement of Thermostability of Urate Oxidase by Immobilization on the Ni-Based Magnetic Metal-Organic Framework. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	10

164	Toxicity and remediation of pharmaceuticals and pesticides using metal oxides and carbon nanomaterials. <i>Chemosphere</i> , <b>2021</b> , 275, 130055	8.4	31
163	Greenness of things. <i>Clean Technologies and Environmental Policy</i> , <b>2021</b> , 23, 2497	4.3	1
162	Prussian blue-based nanostructured materials: Catalytic applications for environmental remediation and energy conversion. <i>Molecular Catalysis</i> , <b>2021</b> , 514, 111835	3.3	8
161	Carbon nanomaterials with chitosan: A winning combination for drug delivery systems. <i>Journal of Drug Delivery Science and Technology</i> , <b>2021</b> , 66, 102847	4.5	7
160	An overview on non-spherical semiconductors for heterogeneous photocatalytic degradation of organic water contaminants. <i>Chemosphere</i> , <b>2021</b> , 280, 130907	8.4	19
159	Potential toxicity of nanoparticles on the reproductive system animal models: A review. <i>Journal of Reproductive Immunology</i> , <b>2021</b> , 148, 103384	4.2	9
158	Gallic acid for cancer therapy: Molecular mechanisms and boosting efficacy by nanoscopy delivery. <i>Food and Chemical Toxicology</i> , <b>2021</b> , 157, 112576	4.7	12
157	Nanostructured NaFeS <sub>2</sub> as a cost-effective and robust electrocatalyst for hydrogen and oxygen evolution with reduced overpotentials. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 131315	14.7	5
156	A multifunctional covalently linked grapheneMOF hybrid as an effective chemiresistive gas sensor. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 17434-17441	13	5
155	A Pd/Cu-Free magnetic cobalt catalyst for C-N cross coupling reactions: synthesis of abemaciclib and fedratinib. <i>Green Chemistry</i> , <b>2021</b> , 23, 5222-5229	10	3
154	Molecularly imprinted polymers for the detection of viruses: challenges and opportunities. <i>Analyst, The</i> , <b>2021</b> , 146, 3087-3100	5	15
153	2D and 3D Covalent Organic Frameworks: Cutting-Edge Applications in Biomedical Sciences.. <i>ACS Applied Bio Materials</i> , <b>2021</b> ,	4.1	5
152	Modification of Chitosan Membranes via Methane Ion Beam. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
151	Pd modified prussian blue frameworks: Multiple electron transfer pathways for improving catalytic activity toward hydrogenation of nitroaromatics. <i>Molecular Catalysis</i> , <b>2020</b> , 492, 110967	3.3	20
150	Electrochemical activity of Samarium on starch-derived porous carbon: rechargeable Li- and Al-ion batteries. <i>Nano Convergence</i> , <b>2020</b> , 7, 11	9.2	11
149	Nanomaterials and Nanotechnology-Associated Innovations against Viral Infections with a Focus on Coronaviruses. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	76
148	Recent Advances in Rechargeable Aluminum-Ion Batteries and Considerations for Their Future Progress. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 6019-6035	6.1	27
147	SARS-CoV-2 (COVID-19): New Discoveries and Current Challenges. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3641	2.6	20

146	Deep eutectic solvents: cutting-edge applications in cross-coupling reactions. <i>Green Chemistry</i> , <b>2020</b> , 22, 3668-3692	10	68
145	Covalent Organic Frameworks: Emerging Organic Solid Materials for Energy and Electrochemical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 27821-27852	9.5	44
144	Molybdenum-promoted cobalt supported on SBA-15: Steam and sulfur dioxide stable catalyst for CO oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119248	21.8	18
143	Developments and applications of nanomaterial-based carbon paste electrodes.. <i>RSC Advances</i> , <b>2020</b> , 10, 21561-21581	3.7	32
142	Cytotoxic aquatic pollutants and their removal by nanocomposite-based sorbents. <i>Chemosphere</i> , <b>2020</b> , 258, 127324	8.4	29
141	Green synthesis, biomedical and biotechnological applications of carbon and graphene quantum dots. A review. <i>Environmental Chemistry Letters</i> , <b>2020</b> , 18, 1-25	13.3	136
140	Upgraded Valorization of Biowaste: Laser-Assisted Synthesis of Pd/Calcium Lignosulfonate Nanocomposite for Hydrogen Storage and Environmental Remediation. <i>ACS Omega</i> , <b>2020</b> , 5, 5888-5899	3.9	61
139	Boosting Aerobic Oxidation of Alcohols via Synergistic Effect between TEMPO and a Composite FeO/Cu-BDC/GO Nanocatalyst. <i>ACS Omega</i> , <b>2020</b> , 5, 5182-5191	3.9	33
138	Bacteria in Heavy Metal Remediation and Nanoparticle Biosynthesis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 5395-5409	8.3	44
137	Microscopic Techniques for the Analysis of Micro and Nanostructures of Biopolymers and Their Derivatives. <i>Polymers</i> , <b>2020</b> , 12,	4.5	30
136	Grid-Connected Photovoltaic Systems with Single-Axis Sun Tracker: Case Study for Central Vietnam. <i>Energies</i> , <b>2020</b> , 13, 1457	3.1	6
135	Palladium Nanoparticles on Assorted Nanostructured Supports: Applications for Suzuki, Heck, and Sonogashira Cross-Coupling Reactions. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 2070-2103	5.6	109
134	MXenes: Applications in electrocatalytic, photocatalytic hydrogen evolution reaction and CO <sub>2</sub> reduction. <i>Molecular Catalysis</i> , <b>2020</b> , 486, 110850	3.3	57
133	Structural Evolution of Organic Matter in Deep Shales by Spectroscopy (1H and 13C Nuclear Magnetic Resonance, X-ray Photoelectron Spectroscopy, and Fourier Transform Infrared) Analysis. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 2807-2815	4.1	14
132	Recycling non-food-grade tree gum wastes into nanoporous carbon for sustainable energy harvesting. <i>Green Chemistry</i> , <b>2020</b> , 22, 1198-1208	10	19
131	Cross-Linked Cyclodextrins Bimetallic Nanocatalysts: Applications in Microwave-Assisted Reductive Aminations. <i>Molecules</i> , <b>2020</b> , 25,	4.8	5
130	Formation and stabilization of colloidal ultra-small palladium nanoparticles on diamine-modified Cr-MIL-101: Synergic boost to hydrogen production from formic acid. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 567, 126-135	9.3	88
129	Mainstream avenues for boosting graphitic carbon nitride efficiency: towards enhanced solar light-driven photocatalytic hydrogen production and environmental remediation. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 10571-10603	13	38

128	Sustainable synthesis of cobalt and cobalt oxide nanoparticles and their catalytic and biomedical applications. <i>Green Chemistry</i> , <b>2020</b> , 22, 2643-2661	10	47
127	Rendering Redox Reactions of Cathodes in Li-Ion Capacitors Enabled by Lanthanides. <i>ACS Omega</i> , <b>2020</b> , 5, 1634-1639	3.9	6
126	Sulfonated dendritic mesoporous silica nanospheres: a metal-free Lewis acid catalyst for the upgrading of carbohydrates. <i>Green Chemistry</i> , <b>2020</b> , 22, 1754-1762	10	9
125	Mechanochemical synthesis of Cu <sub>2</sub> S bonded 2D-sulfonated organic polymers: continuous production of dimethyl carbonate (DMC) via preheating of reactants. <i>Green Chemistry</i> , <b>2020</b> , 22, 5619-5627	10	9
124	Isosorbide: Recent advances in catalytic production. <i>Molecular Catalysis</i> , <b>2020</b> , 482, 110648	3.3	9
123	Preparation and Characterization of Polyvinylpyrrolidone/Polysulfone Ultrafiltration Membrane Modified by Graphene Oxide and Titanium Dioxide for Enhancing Hydrophilicity and Antifouling Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2020</b> , 30, 2213-2223	3.2	12
122	Magnetically recoverable nanocatalyst based on N-heterocyclic ligands: efficient treatment of environmental pollutants in aqueous media. <i>Clean Technologies and Environmental Policy</i> , <b>2020</b> , 22, 423-440	4.3	5
121	Laser-assisted preparation of Pd nanoparticles on carbon cloth for the degradation of environmental pollutants in aqueous medium. <i>Chemosphere</i> , <b>2020</b> , 246, 125755	8.4	49
120	Synthesis of Ag nanoparticles by a chitosan-poly(3-hydroxybutyrate) polymer conjugate and their superb catalytic activity. <i>Carbohydrate Polymers</i> , <b>2020</b> , 232, 115806	10.3	13
119	Ultrasound-assisted fabrication of N-cyano-N-arylbenzenesulfonamides at ambient temperature: improvements with biosynthesized Ag/feldspar nanocomposite. <i>Clean Technologies and Environmental Policy</i> , <b>2020</b> , 22, 231-246	4.3	3
118	Magnetic chitosan-copper nanocomposite: A plant assembled catalyst for the synthesis of amino- and N-sulfonyl tetrazoles in eco-friendly media. <i>Carbohydrate Polymers</i> , <b>2020</b> , 232, 115819	10.3	102
117	Greener synthesis of lignin nanoparticles and their applications. <i>Green Chemistry</i> , <b>2020</b> , 22, 612-636	10	169
116	Efficient degradation of environmental contaminants using Pd-RGO nanocomposite as a retrievable catalyst. <i>Clean Technologies and Environmental Policy</i> , <b>2020</b> , 22, 325-335	4.3	16
115	Cell cycle inhibition, apoptosis, and molecular docking studies of the novel anticancer bioactive 1,2,4-triazole derivatives. <i>Structural Chemistry</i> , <b>2020</b> , 31, 691-699	1.8	7
114	Efficiency of novel Fe/charcoal/ultrasonic micro-electrolysis strategy in the removal of Acid Red 18 from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103553	6.8	18
113	Recent advances in catalytic oxidation of 5-hydroxymethylfurfural. <i>Molecular Catalysis</i> , <b>2020</b> , 495, 111133	3.3	23
112	Fabrication of a Greener TiO@Gum Arabic-Carbon Paste Electrode for the Electrochemical Detection of Pb Ions in Plastic Toys. <i>ACS Omega</i> , <b>2020</b> , 5, 25390-25399	3.9	7
111	Nature-Inspired and Sustainable Synthesis of Sulfur-Bearing Fe-Rich Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 15791-15808	8.3	4

110	P- and F-co-doped Carbon Nitride Nanocatalysts for Photocatalytic CO Reduction and Thermocatalytic Furanics Synthesis from Sugars. <i>ChemSusChem</i> , <b>2020</b> , 13, 5231-5238	8.3	29
109	Novel Pt-AgPO/CdS/Chitosan Nanocomposite with Enhanced Photocatalytic and Biological Activities. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	12
108	Diffusivity and hydrophobic hydration of hydrocarbons in supercritical CO and aqueous brine.. <i>RSC Advances</i> , <b>2020</b> , 10, 37938-37946	3.7	1
107	Supported heterogeneous nanocatalysts in sustainable, selective and eco-friendly epoxidation of olefins. <i>Green Chemistry</i> , <b>2020</b> , 22, 5902-5936	10	22
106	Mechanotribological Aspects of MXene-Reinforced Nanocomposites. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002154	15.4	54
105	Point-of-Use Rapid Detection of SARS-CoV-2: Nanotechnology-Enabled Solutions for the COVID-19 Pandemic. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	61
104	Preparation of Au nanoparticles by Q switched laser ablation and their application in 4-nitrophenol reduction. <i>Clean Technologies and Environmental Policy</i> , <b>2020</b> , 22, 1715-1724	4.3	11
103	Polymer surfaces adorning ligand-coordinated palladium for hydrogenation reactions. <i>Molecular Catalysis</i> , <b>2020</b> , 494, 111129	3.3	1
102	Trimetallic Nanoparticles: Greener Synthesis and Their Applications. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	18
101	Recent Electrochemical Applications of Metal-Organic Framework-Based Materials. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 7034-7064	3.5	57
100	Recent development of covalent organic frameworks (COFs): synthesis and catalytic (organic-electro-photo) applications. <i>Materials Horizons</i> , <b>2020</b> , 7, 411-454	14.4	153
99	Recent advances in polymer supported palladium complexes as (nano)catalysts for Sonogashira coupling reaction. <i>Molecular Catalysis</i> , <b>2020</b> , 480, 110645	3.3	24
98	Fe(0)-embedded thermally reduced graphene oxide as efficient nanocatalyst for reduction of nitro compounds to amines. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122469	14.7	28
97	Applications of nano-materials in diverse dentistry regimes.. <i>RSC Advances</i> , <b>2020</b> , 10, 15430-15460	3.7	38
96	Extended Metal-Organic Frameworks on Diverse Supports as Electrode Nanomaterials for Electrochemical Energy Storage. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 3964-3990	5.6	46
95	Cockroach wings-promoted safe and greener synthesis of silver nanoparticles and their insecticidal activity. <i>Bioprocess and Biosystems Engineering</i> , <b>2019</b> , 42, 2007-2014	3.7	30
94	Magnetic Lignosulfonate-Supported Pd Complex: Renewable Resource-Derived Catalyst for Aqueous Suzuki-Miyaura Reaction. <i>ACS Omega</i> , <b>2019</b> , 4, 14234-14241	3.9	44
93	Pd nanoparticles stabilized on the Schiff base-modified boehmite: Catalytic role in Suzuki coupling reaction and reduction of nitroarenes. <i>Journal of Organometallic Chemistry</i> , <b>2019</b> , 900, 120916	2.3	24

92	Plants and plant-based polymers as scaffolds for tissue engineering. <i>Green Chemistry</i> , <b>2019</b> , 21, 4839-4867	80
91	Efficient Optical and UV-Vis Chemosensor Based on Chromo Probes-Polymeric Nanocomposite Hybrid for Selective Recognition of Fluoride Ions. <i>ACS Omega</i> , <b>2019</b> , 4, 16001-16008	3.9 4
90	A Novel Strategy for Selective -Methylation of Glycerol in Subcritical Methanol. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 357	5 3
89	Two-dimensional boron nitride as a sulfur fixer for high performance rechargeable aluminum-sulfur batteries. <i>Scientific Reports</i> , <b>2019</b> , 9, 13573	4.9 29
88	Visible light-mediated and water-assisted selective hydrodeoxygenation of lignin-derived guaiacol to cyclohexanol. <i>Green Chemistry</i> , <b>2019</b> , 21, 1253-1257	10 17
87	Recent advances in the SuzukiMiyaura cross-coupling reaction using efficient catalysts in eco-friendly media. <i>Green Chemistry</i> , <b>2019</b> , 21, 381-405	10 220
86	Synthesis of 1-Substituted 1-1,2,3,4-Tetrazoles Using Biosynthesized Ag/Sodium Borosilicate Nanocomposite. <i>ACS Omega</i> , <b>2019</b> , 4, 8985-9000	3.9 30
85	Copper Oxide Nanoparticles Greener Synthesis Using Tea and its Antifungal Efficiency on <i>Fusarium solani</i> . <i>Geomicrobiology Journal</i> , <b>2019</b> , 36, 777-781	2.5 20
84	Associated-risk determinants for anthroponotic cutaneous leishmaniasis treated with meglumine antimoniate: A cohort study in Iran. <i>PLoS Neglected Tropical Diseases</i> , <b>2019</b> , 13, e0007423	4.8 20
83	Laser ablation-assisted synthesis of GO/TiO <sub>2</sub> /Au nanocomposite: Applications in K <sub>3</sub> [Fe(CN) <sub>6</sub> ] and Nigrosin reduction. <i>Molecular Catalysis</i> , <b>2019</b> , 473, 110401	3.3 22
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