

Microwave-Assisted Chemistry: Synthetic Applications and Organics

Accounts of Chemical Research

47, 1338-1348

DOI: 10.1021/ar400309b

Citation Report

#	ARTICLE	IF	CITATIONS
1	Greener and Sustainable Chemistry. Applied Sciences (Switzerland), 2014, 4, 493-497.	1.3	33
2	Sustainable Nanocatalysts for Organic Synthetic Transformations. , 2014, 03, .		3
3	Magnetic copper ferrite nanoparticles/TEMPO catalyzed selective oxidation of activated alcohols to aldehydes under ligand- and base-free conditions in water. RSC Advances, 2014, 4, 64930-64935.	1.7	21
4	Enhanced catalytic and SERS activities of CTAB stabilized interconnected osmium nanoclusters. Physical Chemistry Chemical Physics, 2014, 16, 22723-22734.	1.3	60
5	Recyclable Bi ₂ WO ₆ -nanoparticle mediated one-pot multicomponent reactions in aqueous medium at room temperature. RSC Advances, 2014, 4, 54168-54174.	1.7	43
6	A highly efficient and recyclable cobalt ferrite chitosan sulfonic acid magnetic nanoparticle for one-pot, four-component synthesis of 2H-indazolo[2,1-b]phthalazine-triones. RSC Advances, 2014, 4, 51089-51097.	1.7	41
7	Enhanced visible-light-driven photocatalytic activity for antibiotic degradation using magnetic NiFe ₂ O ₄ /Bi ₂ O ₃ heterostructures. Chemical Engineering Journal, 2014, 258, 301-308.	6.6	128
8	Iron Oxide-Supported Copper Oxide Nanoparticles (Nanocat-Fe-CuO): Magnetically Recyclable Catalysts for the Synthesis of Pyrazole Derivatives, 4-Methoxyaniline, and Ullmann-type Condensation Reactions. ACS Sustainable Chemistry and Engineering, 2014, 2, 1699-1706.	3.2	75
9	Microwave-Specific Acceleration of a Friedel-Crafts Reaction: Evidence for Selective Heating in Homogeneous Solution. Journal of Organic Chemistry, 2014, 79, 7437-7450.	1.7	73
10	Microwave irradiation synthesis of Co ₃ O ₄ quantum dots/graphene composite as anode materials for Li-ion battery. Electrochimica Acta, 2014, 143, 175-179.	2.6	76
11	Magnetic gold nanocatalyst (nanocat-Fe-Au): catalytic applications for the oxidative esterification and hydrogen transfer reactions. Green Chemistry, 2014, 16, 4137-4143.	4.6	75
12	Magnetically recyclable magnetite-palladium (Nanocat-Fe-Pd) nanocatalyst for the Buchwald-Hartwig reaction. Green Chemistry, 2014, 16, 3494-3500.	4.6	70
15	Synthesis of Structurally Diverse 2,3-Fused Indoles via Microwave-Assisted AgSbF ₆ -Catalysed Intramolecular Difunctionalization of o-Alkynylanilines. Scientific Reports, 2015, 5, 13516.	1.6	13
16	Direct [¹¹ C]Methylation of Amines from [¹¹ C]CO ₂ for the Synthesis of PET Radiotracers. European Journal of Organic Chemistry, 2015, 2015, 6434-6438.	1.2	30
17	Stabilization of Titanium Dioxide Nanoparticles at the Surface of Carbon Nanomaterials Promoted by Microwave Heating. Chemistry - A European Journal, 2015, 21, 14901-14910.	1.7	12
18	Magnetite-Copper Nanocomposites: Applications for Ligand-Free Cross-Coupling (C [~] O, C [~] S, and C [~] N) Reactions. ChemCatChem, 2015, 7, 3495-3502.	1.8	54
20	Editorial (Thematic Issue: Sustainable Catalysts and Benign Organic Transformations). Current Organic Chemistry, 2015, 19, 665-666.	0.9	0
21	Magnetically Separable and Sustainable Nanostructured Catalysts for Heterogeneous Reduction of Nitroaromatics. Catalysts, 2015, 5, 534-560.	1.6	171

#	ARTICLE	IF	CITATIONS
23	Alginate fibers embedded with silver nanoparticles as efficient catalysts for reduction of 4-nitrophenol. <i>RSC Advances</i> , 2015, 5, 49534-49540.	1.7	62
24	Microwave-assisted synthesis of photoluminescent glutathione-capped Au/Ag nanoclusters: A unique sensor-on-a-nanoparticle for metal ions, anions, and small molecules. <i>Nano Research</i> , 2015, 8, 2329-2339.	5.8	75
25	Process Intensified Flow Synthesis of 1 <i>H</i> -4-Substituted Imidazoles: Toward the Continuous Production of Daclatasvir. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 3445-3453.	3.2	37
26	Specific effects in microwave chemistry explored through reactor vessel design, theory, and spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27317-27327.	1.3	18
27	A green chemistry-based classification model for the synthesis of silver nanoparticles. <i>Green Chemistry</i> , 2015, 17, 2825-2839.	4.6	88
28	Diversified facile synthesis of benzimidazoles, quinazolin-4(3 <i>H</i>)-ones and 1,4-benzodiazepine-2,5-diones via palladium-catalyzed transfer hydrogenation/condensation cascade of nitro arenes under microwave irradiation. <i>RSC Advances</i> , 2015, 5, 11132-11135.	1.7	22
29	Highly Efficient Microwave-Assisted CO Aminocarbonylation with a Recyclable Pd(II)/TPP- β -Cyclodextrin Cross-Linked Catalyst. <i>Organic Process Research and Development</i> , 2015, 19, 499-505.	1.3	25
30	Microwave-assisted synthesis – Catalytic applications in aqueous media. <i>Coordination Chemistry Reviews</i> , 2015, 291, 68-94.	9.5	136
31	Development of a highly efficient single-mode microwave applicator with a resonant cavity and its application to continuous flow syntheses. <i>RSC Advances</i> , 2015, 5, 10204-10210.	1.7	39
32	Catalytic reactions enhanced under microwave-induced local thermal non-equilibrium in a core-shell, carbon-filled zeolite@zeolite. <i>Journal of Catalysis</i> , 2015, 323, 1-9.	3.1	34
33	Silica-decorated magnetic nanocomposites for catalytic applications. <i>Coordination Chemistry Reviews</i> , 2015, 288, 118-143.	9.5	268
34	Hydrogenation of succinic acid over supported rhenium catalysts prepared by the microwave-assisted thermolytic method. <i>Catalysis Science and Technology</i> , 2015, 5, 2441-2448.	2.1	42
35	Microwave-Assisted Synthesis of Bidentate Chiral Unsymmetrical Urea Derivatives of P-tert-butylcalix[4]Arene and their Anion Recognition Properties. <i>Journal of Chemical Research</i> , 2015, 39, 303-306.	0.6	2
36	Microwave-assisted carboxymethylation of cellulose extracted from brewer's spent grain. <i>Carbohydrate Polymers</i> , 2015, 131, 125-133.	5.1	71
37	[DBU-H] ⁺ and H ₂ O as effective catalyst form for 2,3-dihydropyrido[2,3- <i>cd</i>]pyrimidin-4(1 <i>H</i>)-ones: A DFT Study. <i>Journal of Computational Chemistry</i> , 2015, 36, 1295-1303.	1.5	14
38	Microwave rehydrated Mg-Al-LDH as base catalyst for the acetalization of glycerol. <i>Catalysis Science and Technology</i> , 2015, 5, 3667-3674.	2.1	34
39	Silica-nanosphere-based organic-inorganic hybrid nanomaterials: synthesis, functionalization and applications in catalysis. <i>Green Chemistry</i> , 2015, 17, 3207-3230.	4.6	191
40	Pursuing the Crystallization of Mono- and Polymetallic Nanosized Crystalline Inorganic Compounds by Low-Temperature Wet-Chemistry and Colloidal Routes. <i>Chemical Reviews</i> , 2015, 115, 11449-11502.	23.0	55

#	ARTICLE	IF	CITATIONS
41	Microwave-Assisted Synthesis of Dendritic Viologen-Arranged Molecules with an i%-Mercaptoalkyl Group and Their Self-Assembled Monolayers Complexed with Various Anions. <i>Macromolecules</i> , 2015, 48, 8090-8097.	2.2	11
42	Shape-control by microwave-assisted hydrothermal method for the synthesis of magnetite nanoparticles using organic additives. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	35
43	Aqueous MW eco-friendly protocol for amino group protection. <i>RSC Advances</i> , 2015, 5, 18751-18760.	1.7	44
44	Preparation and photocatalytic performance of Bi nanoparticles by microwave-assisted method using ascorbic acid as reducing agent. <i>Catalysis Communications</i> , 2015, 72, 97-100.	1.6	15
45	Microwave-Assisted Reactant-Protecting Strategy toward Efficient MoS ₂ Electro-catalysts in Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23741-23749.	4.0	107
46	Core-shell nanoparticles: synthesis and applications in catalysis and electrocatalysis. <i>Chemical Society Reviews</i> , 2015, 44, 7540-7590.	18.7	906
47	Self-assembled tubular nanostructures of tris(8-quinolinolato)gallium(<i>iii</i>). <i>RSC Advances</i> , 2015, 5, 77449-77453.	1.7	4
48	Synthesis of N4-aryl- β -d-glucopyranosylcytosines: a methodology study. <i>Tetrahedron Letters</i> , 2015, 56, 5549-5552.	0.7	6
49	Synthesis and enhanced photocatalytic activity of Zr-doped N-TiO ₂ nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 554-563.	1.1	22
50	Microwave assisted formation of monoreactive perfluoroalkylsilane-based self-assembled monolayers. <i>Chemical Communications</i> , 2015, 51, 2060-2063.	2.2	5
51	Facile and surfactant-free synthesis of Pd nanoparticles by the extract of the fruits of <i>Piper longum</i> and their catalytic performance for the Sonogashira coupling reaction in water under ligand- and copper-free conditions. <i>RSC Advances</i> , 2015, 5, 2562-2567.	1.7	69
52	Lipid Nanoparticles: Production, Characterization and Stability. <i>SpringerBriefs in Pharmaceutical Science & Drug Development</i> , 2015, , .	0.4	57
53	Synthesis of metal-organic frameworks (MOFs) with microwave or ultrasound: Rapid reaction, phase-selectivity, and size reduction. <i>Coordination Chemistry Reviews</i> , 2015, 285, 11-23.	9.5	424
54	Preparation of carbon supported CuPd nanoparticles as novel heterogeneous catalysts for the reduction of nitroarenes and the phosphine-free Suzuki-Miyaura coupling reaction. <i>New Journal of Chemistry</i> , 2015, 39, 1148-1153.	1.4	38
55	Microwave-Assisted Synthesis of Glycoconjugates by Transgalactosylation with Recombinant Thermostable β -Glycosidase from <i>Pyrococcus</i> . <i>International Journal of Molecular Sciences</i> , 2016, 17, 210.	1.8	5
56	Study on stability of electric field in multimode microwave heating cavity. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2016, 50, 321-330.	0.3	3
57	A Sustainable and Efficient Synthesis of Benzyl Phosphonates Using PEG/KI Catalytic System. <i>Frontiers in Chemistry</i> , 2016, 4, 35.	1.8	3
58	Microwave-Absorbing Characteristics and XRD Characterization of Magnetic Separation Products of Reductive Products of Ilmenite Concentrate. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 99.	0.8	4

#	ARTICLE	IF	CITATIONS
59	Rapid Nanoparticle Synthesis by Magnetic and Microwave Heating. <i>Nanomaterials</i> , 2016, 6, 85.	1.9	62
60	Microwave dielectric relaxation spectroscopy studies on associative polar binary mixtures of nitrobenzene with primary alcohols. <i>Journal of Molecular Liquids</i> , 2016, 222, 640-647.	2.3	22
61	One-Pot Two-Step Microwave-Assisted Synthesis of Alkylidene Acetoacetamido Esters, Useful Intermediates for α -Dehydropeptides. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3217-3222.	1.2	5
62	Continuous flow chemistry: New strategies for preparative inorganic chemistry. <i>Coordination Chemistry Reviews</i> , 2016, 324, 39-53.	9.5	49
63	Microwave activation as an alternative production of metal-organic frameworks. <i>Russian Chemical Bulletin</i> , 2016, 65, 2103-2114.	0.4	30
64	Diversification of Indoles via Microwave-Assisted Ligand-Free Copper-Catalyzed N-Arylation. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 1927-1933.	1.0	8
65	Cu-Catalyzed Expedient Synthesis of N-Benzylaminoheterocycles Using N-Tosylhydrazones and Aminoheteroarenes. <i>ChemistrySelect</i> , 2016, 1, 6368-6373.	0.7	4
66	Synthesis and characterization of nanoparticles of CZTSe by microwave-assisted chemical synthesis. <i>Materials Research Express</i> , 2016, 3, 125017.	0.8	12
67	Microwave-Assisted Selective Hydrogenation of Furfural to Furfuryl Alcohol Employing a Green and Noble Metal-Free Copper Catalyst. <i>ChemSusChem</i> , 2016, 9, 3387-3392.	3.6	40
68	Cu and Cu-Based Nanoparticles: Synthesis and Applications in Catalysis. <i>Chemical Reviews</i> , 2016, 116, 3722-3811.	23.0	2,051
69	High-Temperature Boc Deprotection in Flow and Its Application in Multistep Reaction Sequences. <i>Organic Letters</i> , 2016, 18, 1732-1735.	2.4	40
70	Rapid synthesis of redox-active dodecaborane B_{12} (OR) $_{12}$ clusters under ambient conditions. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 711-717.	3.0	44
71	Festschrift in Honor of Rajender S. Varma. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 640-642.	3.2	3
72	Innovative hybrid curing method for accelerating the strength of high-performance cement paste using microwave heating coupling with low-pressure processing. <i>Construction and Building Materials</i> , 2016, 105, 245-252.	3.2	17
73	A Review of Research Trends in Microwave Processing of Metal-Based Materials and Opportunities in Microwave Metal Casting. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2016, 41, 217-255.	6.8	144
74	Structural effects of dibromocarbazoles on direct arylation polycondensation with 3,4-ethylenedioxythiophene. <i>Polymer Chemistry</i> , 2016, 7, 3165-3171.	1.9	31
75	Electron-beam irradiation induced transformation of $Cu_2(OH)_3NO_3$ nanoflakes into nanocrystalline CuO. <i>Nanoscale</i> , 2016, 8, 11194-11201.	2.8	12
76	Synthesis of Iron Oxide Palladium Nanoparticles and Their Catalytic Applications for Direct Coupling of Acyl Chlorides with Alkynes. <i>ChemPlusChem</i> , 2016, 81, 1312-1319.	1.3	30

#	ARTICLE	IF	CITATIONS
77	Layered double hydroxide- and graphene-based hierarchical nanocomposites: Synthetic strategies and promising applications in energy conversion and conservation. <i>Nano Research</i> , 2016, 9, 3598-3621.	5.8	103
78	Microwave assisted synthesis of phenanthridinones and dihydrophenanthridines by vasicine/KOtBu promoted intramolecular C-H arylation. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8536-8544.	1.5	22
79	Greener and Sustainable Trends in Synthesis of Organics and Nanomaterials. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5866-5878.	3.2	221
80	A single-step method for synthesis of CuInS ₂ nanostructures using cyclic microwave irradiation. <i>Ceramics International</i> , 2016, 42, 15643-15649.	2.3	23
81	Gold nanoparticle-decorated graphene oxide: Synthesis and application in oxidation reactions under benign conditions. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 121-127.	4.8	57
82	Microwave Engineering for Synthesizing Clays and Modifying Properties in Zeolites. , 2016, , 179-210.		0
83	Microwave-accelerated and Catalyst-free Synthesis of Noveltris-(Pyrazolyl)methanes. <i>Organic Preparations and Procedures International</i> , 2016, 48, 393-400.	0.6	12
84	Coplanar waveguides loaded with a split ring resonator-based microwave sensor for aqueous sucrose solutions. <i>Measurement Science and Technology</i> , 2016, 27, 015103.	1.4	29
85	Toward the Facile and Ecofriendly Fabrication of Quantum Dot-Sensitized Solar Cells via Thiol Coadsorbent Assistance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18878-18890.	4.0	27
86	Ultrafast Preparation of Monodisperse Fe ₃ O ₄ Nanoparticles by Microwave-Assisted Thermal Decomposition. <i>Chemistry - A European Journal</i> , 2016, 22, 11807-11815.	1.7	28
87	Rapid Covalent Modification of Silicon Oxide Surfaces through Microwave-Assisted Reactions with Alcohols. <i>Langmuir</i> , 2016, 32, 7284-7293.	1.6	16
88	One-pot synthesis and in-vitro anticancer evaluation of 5-(2-indolyl)thiazoles. <i>Scientific Reports</i> , 2016, 6, 23401.	1.6	21
89	Synthesis and Exfoliation of Discotic Zirconium Phosphates to Obtain Colloidal Liquid Crystals. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	2
90	1,2,3-Triazole-Functionalized Polysulfone Synthesis through Microwave-Assisted Copper-Catalyzed Click Chemistry: A Highly Proton Conducting High Temperature Membrane. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16897-16906.	4.0	49
91	Microwave Assisted Multi-Component Synthesis of Novel Bis(1,4-dihydropyridines) Based Arenes or Heteroarenes. <i>Heterocycles</i> , 2016, 92, 910.	0.4	37
92	Synthesis of 6-aryl/heteroaryl-4-oxo-4 H -chromene-2-carboxylic ethyl ester derivatives. <i>Tetrahedron Letters</i> , 2016, 57, 3006-3010.	0.7	8
93	Quantifying the Nucleation and Growth Kinetics of Microwave Nanochemistry Enabled by in Situ High-Energy X-ray Scattering. <i>Nano Letters</i> , 2016, 16, 715-720.	4.5	50
94	Microwave-assisted rapid synthesis of hexagonal 1-zirconium phosphate nanodisks as a Pickering emulsion stabilizer. <i>Materials Letters</i> , 2016, 163, 158-161.	1.3	23

#	ARTICLE	IF	CITATIONS
95	Response surface methodology applied to the study of the microwave-assisted synthesis of quaternized chitosan. <i>Carbohydrate Polymers</i> , 2016, 138, 317-326.	5.1	40
96	Comparison of Conventional and Microwave Heating for Evaluation of Microwave Effects. <i>Australian Journal of Chemistry</i> , 2016, 69, 865.	0.5	7
97	Synthesis and Application of Magnetic Noyori-Type Ruthenium Catalysts for Asymmetric Transfer Hydrogenation Reactions in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2698-2705.	3.2	24
98	The influence of bonding topology on the electronic properties of new Schiff bases containing phenothiazine building blocks. <i>Journal of Electroanalytical Chemistry</i> , 2016, 770, 14-22.	1.9	10
99	SiC nanowires synthesized from graphene and silicon vapors. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	3
100	Graphene-copper oxide nanocomposite with intrinsic peroxidase activity for enhancement of chemiluminescence signals and its application for detection of Bisphenol-A. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 570-580.	4.0	88
101	Fluorescent copper nanoparticles: recent advances in synthesis and applications for sensing metal ions. <i>Nanoscale</i> , 2016, 8, 4852-4863.	2.8	178
102	The significance of different heating methods on the synthesis of CdS nanocrystals. <i>RSC Advances</i> , 2016, 6, 28229-28235.	1.7	7
103	Catalyst-free microwave-assisted arylglyoxal-based multicomponent reactions for the synthesis of fused pyrans. <i>RSC Advances</i> , 2016, 6, 24464-24469.	1.7	20
104	Microwave-assisted one-pot synthesis of 2-nitroalkylidene-1,3-oxathiolane derivatives. <i>Journal of Sulfur Chemistry</i> , 2016, 37, 105-113.	1.0	6
105	Microwave-assisted synthesis of porous Mn ₂ O ₃ nanoballs as bifunctional electrocatalyst for oxygen reduction and evolution reaction. <i>Catalysis Science and Technology</i> , 2016, 6, 1417-1429.	2.1	72
106	Zeolite Y-assisted nitration of aromatic and heterocyclic compounds and decarboxylative nitration of α,β -unsaturated acids under non-conventional conditions. <i>Catalysis Science and Technology</i> , 2016, 6, 1430-1434.	2.1	16
107	Microwave synthesis, biological evaluation and docking studies of 2-substituted methyl 1-(4-fluorophenyl)-1H-benzimidazole-5-carboxylates. <i>Medicinal Chemistry Research</i> , 2017, 26, 484-498.	1.1	5
108	Numerical investigation of microwave-assisted pyrolysis of lignin. <i>Fuel Processing Technology</i> , 2017, 156, 473-484.	3.7	37
109	Montmorillonite-catalyzed Microwave-Assisted Direct Amidation of Unactivated Carboxylic Acids with Amines: Maintaining Chiral Integrity of Substrates. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 342-346.	1.3	8
110	Introducing tetramethylurea as a new methylene precursor: a microwave-assisted RuCl ₃ -catalyzed cross dehydrogenative coupling approach to bis(indolyl)methanes. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1435-1443.	1.5	35
111	Factorial design evaluation of the Suzuki cross-coupling reaction using a magnetically recoverable palladium catalyst. <i>Tetrahedron Letters</i> , 2017, 58, 903-908.	0.7	11
112	Development and Application of a Microwave Reactor Radiating through a Leaky Coaxial Antenna. <i>Chemical Engineering and Technology</i> , 2017, 40, 1051-1058.	0.9	1

#	ARTICLE	IF	CITATIONS
113	Remarkably Efficient Microwave-Assisted Cross-Metathesis of Lipids under Solvent-Free Conditions. <i>ChemSusChem</i> , 2017, 10, 2167-2174.	3.6	20
114	Investigation of Selective Microwave Heating Phenomena in the Reactions of 2-Substituted Pyridines. <i>Australian Journal of Chemistry</i> , 2017, 70, 776.	0.5	3
115	Comparison of conventional versus microwave heating for polyol synthesis of supported iridium based electrocatalyst for polymer electrolyte membrane water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5083-5094.	3.8	21
116	Role of Re and Ru in Re/Ru/C Bimetallic Catalysts for the Aqueous Hydrogenation of Succinic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4672-4683.	1.8	40
117	Real-time monitoring of sucrose, sorbitol, d -glucose and d -fructose concentration by electromagnetic sensing. <i>Food Chemistry</i> , 2017, 232, 566-570.	4.2	29
118	State-of-the-art developments in metal and carbon-based semiconducting nanomaterials: applications and functions in spintronics, nanophotonics, and nanomagnetism. <i>Advances in Manufacturing</i> , 2017, 5, 105-119.	3.2	5
119	Microwave-assisted rapid synthesis of a polyether from a plant oil derived monomer and its optimization by Box-Behnken design. <i>RSC Advances</i> , 2017, 7, 27946-27959.	1.7	6
120	Effect of Functional Groups in Organic Chlorides on Radical Reduction with Hydrostannane under Microwave Irradiation. <i>Chemistry Letters</i> , 2017, 46, 1116-1118.	0.7	4
121	Enhancing Energy Efficiency in Saccharide-HMF Conversion with Core/shell Structured Microwave Responsive Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4352-4358.	3.2	32
122	Ni(OH) ₂ /NiO nanosheet with abundant active sites for high-performance glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 169-177.	4.0	44
123	Can all bulk-phase reactions be accelerated in microdroplets?. <i>Analyst</i> , 2017, 142, 1399-1402.	1.7	133
124	TpPa-2-incorporated mixed matrix membranes for efficient water purification. <i>Journal of Membrane Science</i> , 2017, 526, 355-366.	4.1	84
125	In Situ Generation of Pd-Pt Core-Shell Nanoparticles on Reduced Graphene Oxide (Pd@Pt/rGO) Using Microwaves: Applications in Dehalogenation Reactions and Reduction of Olefins. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2815-2824.	4.0	67
126	Enhancement of Ag-Based Plasmonic Photocatalysis in Hydrogen Production from Ammonia Borane by the Assistance of Single-Site TiO ₂ Moieties within a Silica Framework. <i>Chemistry - A European Journal</i> , 2017, 23, 3616-3622.	1.7	51
127	Engineering stepped edge surface structures of MoS ₂ sheet stacks to accelerate the hydrogen evolution reaction. <i>Energy and Environmental Science</i> , 2017, 10, 593-603.	15.6	284
128	Microwave Enhancement of Autocatalytic Growth of Nanometals. <i>ACS Nano</i> , 2017, 11, 9957-9967.	7.3	22
129	Efficient Microwave-Assisted Synthesis of Sonogashira-Coupled Perylene Monoimide Derivatives: Impact of Electron-Donating Groups on Optoelectronic Properties. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6901-6905.	1.2	14
130	Understanding lignin depolymerization to phenols via microwave-assisted solvolysis process. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4759-4768.	3.3	35

#	ARTICLE	IF	CITATIONS
131	Synthesis of flower-like magnetite nanoassembly: Application in the efficient reduction of nitroarenes. <i>Scientific Reports</i> , 2017, 7, 11585.	1.6	44
132	Influence of Re ^{III} interactions in Re ^{III} /C bimetallic catalysts prepared by a microwave-assisted thermolytic method on aqueous-phase hydrogenation of succinic acid. <i>Catalysis Science and Technology</i> , 2017, 7, 5212-5223.	2.1	31
133	Coordination-accelerated Iron Extraction Enables Fast Biodegradation of Mesoporous Silica-based Hollow Nanoparticles. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700720.	3.9	27
134	Carbon nanotubes in microwave foaming of thermoplastics. <i>Carbon</i> , 2017, 125, 32-38.	5.4	41
135	Microwave synthesis of metal nanocatalysts for the electrochemical oxidation of small biomolecules. <i>Current Opinion in Electrochemistry</i> , 2017, 4, 124-132.	2.5	10
136	Microwave-assisted peroxidative oxidation of toluene and 1-phenylethanol with monomeric keto and polymeric enol aroylhydrazone Cu(II) complexes. <i>Molecular Catalysis</i> , 2017, 439, 224-232.	1.0	40
137	Microwave-Promoted Metal-Free α -Alkylation of Ketones with Cycloalkanes through Cross-Coupling of C(sp ³)-H Bonds. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1445-1450.	1.3	6
138	Aqueous microwave-assisted synthesis of non-interpenetrated metal-organic framework for room temperature cycloaddition of CO ₂ and epoxides. <i>Applied Catalysis A: General</i> , 2017, 544, 126-136.	2.2	40
139	Efficient Cu(OTf) ₂ -catalyzed and microwave-assisted rapid synthesis of 3,4-fused chromenopyridinones under neat conditions. <i>Tetrahedron Letters</i> , 2017, 58, 3634-3639.	0.7	32
140	Microwave-assisted rapid synthesis of graphene-analogue hexagonal boron nitride (h-BN) nanosheets and their application for the ultrafast and selective adsorption of cationic dyes from aqueous solutions. <i>RSC Advances</i> , 2017, 7, 53984-53995.	1.7	42
141	Inorganic frameworks based on bimetallic nanoparticles encapsulated in hollow MnO ₂ structures. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 192-198.	10.8	31
142	Microwave hydrothermal synthesis and characterization of rare-earth stannate nanoparticles. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2017, 24, 794-803.	2.4	8
143	Electromagnetic and Heat-Transfer Simulation of the Catalytic Dehydrogenation of Ethylbenzene under Microwave Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 7685-7692.	1.8	27
144	Microwave versus Conventional Light Activation of O [•] Radical Scission Processes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 373-380.	1.2	5
145	Brønsted-acidic ionic liquid: green protocol for synthesis of novel tetrasubstituted imidazole derivatives under microwave irradiation via multicomponent strategy. <i>Research on Chemical Intermediates</i> , 2017, 43, 1089-1098.	1.3	13
146	Comparing three methods of simultaneous synthesis and stabilization of Fe ₃ O ₄ nanoparticles: Changing physicochemical properties of products to improve kinetic and thermodynamic of dye adsorption. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 422, 128-140.	1.0	8
147	Proecological method for the preparation of metal nanoparticles. <i>Journal of Cleaner Production</i> , 2017, 141, 1030-1039.	4.6	38
148	Use of Monosaccharides in Metal-Catalyzed Coupling Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 41-48.	3.2	10

#	ARTICLE	IF	CITATIONS
149	Microwave-Assisted Synthesis of Monophase and Low-Platinum PtRu Alloy Nanoparticles and the Catalytic Performance Towards Methanol Oxidation. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1641-F1647.	1.3	0
150	Application of integral equation theory to analyze stability of electric field in multimode microwave heating cavity. <i>EPJ Applied Physics</i> , 2017, 80, 10902.	0.3	4
151	High-Temperature Ceramics. , 2017, , 377-409.		13
152	Degradable Thermosets Derived from an Isosorbide/Succinic Anhydride Monomer and Glycerol. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9185-9190.	3.2	42
153	Polysilanes. , 2017, , 219-300.		12
154	An efficient synthesis of naphtho[2,1- <i>b</i>]furan-2(1- <i>H</i>)-ones catalysed by Nafion-H supported on silica-coated super paramagnetic iron oxide nanoparticles. <i>Journal of Chemical Research</i> , 2017, 41, 408-412.	0.6	8
155	An effective Pd nanocatalyst in aqueous media: stilbene synthesis by Mizoroki-Heck coupling reaction under microwave irradiation. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1717-1727.	1.3	7
157	Co ₃ O ₄ and its composites for high-performance Li-ion batteries. <i>Chemical Engineering Journal</i> , 2018, 343, 427-446.	6.6	126
158	Microwave-Assisted Synthesis of Sucrose Polyurethanes and Their Semi-interpenetrating Polymer Networks with Polycaprolactone and Soybean Oil. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 3227-3234.	1.8	9
159	Magnetocaloric Effect and Universal Curve Behavior in Superparamagnetic Zinc Ferrite Nanoparticles Synthesized via Microwave Assisted Co-Precipitation Method. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700842.	0.8	25
160	Many Faces of Ni ₃ Bi ₂ S ₂ : Tunable Nanoparticle Morphology via Microwave-Assisted Nanocrystal Conversion. <i>Crystal Growth and Design</i> , 2018, 18, 2202-2209.	1.4	4
161	Selenium and tellurium nanomaterials. <i>ChemistrySelect</i> , 2018, 3, .	0.7	18
162	Development of antimicrobial LDPE/Cu nanocomposite food packaging film for extended shelf life of peda. <i>Food Packaging and Shelf Life</i> , 2018, 16, 211-219.	3.3	77
163	Multimetallic nanosheets: synthesis and applications in fuel cells. <i>Chemical Society Reviews</i> , 2018, 47, 6175-6200.	18.7	171
164	Microwave assisted one pot three component synthesis of propargylamine, tetra substituted propargylamine and pyrrolo[1,2- <i>a</i>]quinolines using CuNPs@ZnO-PTH as a heterogeneous catalyst. <i>New Journal of Chemistry</i> , 2018, 42, 8724-8737.	1.4	40
165	Self-supported Ni ₃ S ₂ @MoS ₂ core/shell nanorod arrays via decoration with CoS as a highly active and efficient electrocatalyst for hydrogen evolution and oxygen evolution reactions. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 8794-8804.	3.8	53
166	A facile tandem double-dehydrative-double-Heck olefination strategy for pot-economic synthesis of (E) Tj ETQq0 0 0 rgBT /Overlock 10 model. <i>Tetrahedron</i> , 2018, 74, 1655-1667.	1.0	6
167	Nanomagnetite-supported molybdenum oxide (nanocat-Fe-Mo): an efficient green catalyst for multicomponent synthesis of amidoalkyl naphthols. <i>Research on Chemical Intermediates</i> , 2018, 44, 3507-3521.	1.3	13

#	ARTICLE	IF	CITATIONS
168	Synthesis and characterization of MnO_2 nanoneedles for electrochemical supercapacitors. <i>Electrochimica Acta</i> , 2018, 261, 428-435.	2.6	116
169	Microwave-assisted green synthesis of 4,5-dihydro-1H-pyrazole-1-carbothioamides in water. <i>Molecular Diversity</i> , 2018, 22, 743-749.	2.1	5
170	Accelerated microwave-assisted hydrothermal/solvothermal processing: Fundamentals, morphologies, and applications. <i>Journal of Electroceramics</i> , 2018, 40, 271-292.	0.8	15
171	Enhanced anti-bacterial activities of ZnO nanoparticles and ZnO/CuO nanocomposites synthesized using <i>Vaccinium arctostaphylos</i> L. fruit extract. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1200-1209.	1.9	40
172	One-Pot, Sequential Four-Component Synthesis of Benzo[<i>a</i>]chromeno[2,3- <i>c</i>]phenazine Derivatives Using $\text{SiO}_2 \cdot \text{SO}_3\text{H}$ as an Efficient and Recoverable Catalyst Under Conventional Heating and Microwave Irradiation. <i>Polycyclic Aromatic Compounds</i> , 2018, 38, 92-101.	1.4	17
173	Co-constructive development of a green chemistry-based model for the assessment of nanoparticles synthesis. <i>European Journal of Operational Research</i> , 2018, 264, 472-490.	3.5	44
174	Microwave-Assisted Synthesis of Thioesters from Aldehydes and Thiols in Water. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 24-27.	0.8	12
175	Rapid Microwave-Assisted Self-Assembly of a Carboxylic-Acid-Terminated Dye on a TiO_2 Photoanode. <i>ACS Applied Energy Materials</i> , 2018, 1, 202-210.	2.5	3
176	Tandem one-pot synthesis of 2-arylcinnolin-6-one derivatives from arylhydrazonopropanals and acetoacetanilides using sustainable ultrasound and microwave platforms. <i>RSC Advances</i> , 2018, 8, 34459-34467.	1.7	6
177	Microwave irradiation: a green approach for the synthesis of functionalized <i>N</i> -methyl-1,4-dihydropyridines. <i>RSC Advances</i> , 2018, 8, 41892-41903.	1.7	19
178	Microwave assisted hydrogenation of olefins by Pd NPs@polystyrene resin using a gas addition kit: a robust and sustainable protocol. <i>New Journal of Chemistry</i> , 2018, 42, 18935-18941.	1.4	8
179	Microwave-Assisted Catalytic Solvolysis of Lignin to Phenols: Kinetics and Product Characterization. <i>ACS Omega</i> , 2018, 3, 15076-15085.	1.6	13
180	Microwave and ultrasound irradiations for the synthesis of environmentally sustainable corrosion inhibitors: An overview. <i>Sustainable Chemistry and Pharmacy</i> , 2018, 10, 134-147.	1.6	69
181	Microwave promoted Heck and Suzuki coupling reactions of new 3-(5-bromobenzofuranyl)pyrazole in aqueous media. <i>Arkivoc</i> , 2018, 2018, 348-358.	0.3	7
182	One-step Construction of Xanthone Scaffold Assisted by Microwave Irradiation to Optimize the Synthesis of DMXAA. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 918-922.	1.3	1
183	Structural and Optical Studies of ZnO Nanostructures Synthesized by Rapid Microwave Assisted Hydrothermal and Solvothermal Methods. <i>Transactions of the Indian Ceramic Society</i> , 2018, 77, 169-174.	0.4	8
184	Four-Component Domino Synthesis of Pyrazolo[3,4- <i>h</i>]quinoline-3-carbonitriles: "Turn-Off" Fluorescent Chemosensor for Fe^{3+} Ions. <i>Journal of Organic Chemistry</i> , 2018, 83, 14084-14090.	1.7	27
185	Structural and Magnetic Properties of Co-Mn Codoped ZnO Nanoparticles Obtained by Microwave Solvothermal Synthesis. <i>Crystals</i> , 2018, 8, 410.	1.0	19

#	ARTICLE	IF	CITATIONS
186	Ruthenium <i>p</i> -cymene complexes with $\hat{\pm}$ -diimine ligands as catalytic precursors for the transfer hydrogenation of ethyl levulinate to $\hat{3}$ -valerolactone. <i>New Journal of Chemistry</i> , 2018, 42, 17574-17586.	1.4	19
187	Controllable synthesis of Ag nanoparticles encapsulated in non-ionic surfactant-based vesicle for photodegradation of methylene blue. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 18249-18257.	1.1	3
188	Investigation of metallic nanoparticles adsorbed on the QCM sensor by SEM and AFM techniques. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	0.8	2
189	Microwave-assisted optimized route for the synthesis of CoSe ₂ nanoflakes: an efficient material for adsorptive removal of Rhodamine B. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2868-2877.	1.6	5
190	ZnO-Nanoparticles-Catalyzed Synthesis of Poly(tetrahydrobenzimidazo[2,1-b]quinazolin-1(2H)-ones) as Novel Multi-armed Molecules. <i>Synlett</i> , 2018, 29, 1627-1633.	1.0	34
191	Fast and high-efficiency magnetic surface imprinting based on microwave-accelerated reversible addition fragmentation chain transfer polymerization for the selective extraction of estrogen residues in milk. <i>Journal of Chromatography A</i> , 2018, 1562, 19-26.	1.8	24
192	Microwave assisted one-pot green synthesis of cinnoline derivatives inside natural sporopollenin microcapsules. <i>RSC Advances</i> , 2018, 8, 23241-23251.	1.7	26
193	Green synthesis of ZnO and ZnO/CuO nanocomposites in <i>Mentha longifolia</i> leaf extract: characterization and their application as anti-bacterial agents. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13596-13605.	1.1	66
194	Solid Lipid Nanoparticles for Targeted Brain Drug Delivery. , 2018, , 191-244.		11
195	White Light-Emitting Novel Nanophosphors for LED Applications. , 2018, , 411-431.		2
196	Nano-Fe ₃ O ₄ @ L-Cysteine as an Efficient Recyclable Organocatalyst for the Green Synthesis of Bis (Indolyl) Methanes under Microwave Irradiation. <i>Current Organocatalysis</i> , 2018, 5, 42-50.	0.3	7
197	Nanoscale self-assembly of thermoelectric materials: a review of chemistry-based approaches. <i>Nanotechnology</i> , 2018, 29, 432001.	1.3	50
198	Perovskite solar cells based on hole-transporting conjugated polymers by direct arylation polycondensation. <i>MRS Communications</i> , 2018, 8, 1244-1253.	0.8	10
199	Recent advances in synthetic methodologies for transition metal-free Ullmann condensation reactions. <i>New Journal of Chemistry</i> , 2018, 42, 13212-13224.	1.4	18
200	Iron Oxide-Cobalt Nanocatalyst for O-tert-Boc Protection and O-Arylation of Phenols. <i>Nanomaterials</i> , 2018, 8, 246.	1.9	8
201	Improved Nonenzymatic Glucose Sensing Properties of Pd/MnO ₂ Nanosheets: Synthesis by Facile Microwave-Assisted Route and Theoretical Insight from Quantum Simulations. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7636-7646.	1.2	28
202	Microwave Assisted Synthesis of Glycerol Carbonate Over Zinc Incorporated Mesoporous Hydrotalcite Catalyst. <i>Current Microwave Chemistry</i> , 2018, 5, 13-22.	0.2	3
203	Dimerization of Terminal Aryl Alkynes Catalyzed by Iron(II) Amine-Pyrazolyl Tripodal Complexes with <i>E</i> / <i>Z</i> Selectivity Controlled by <i>tert</i> -Butoxide. <i>ACS Omega</i> , 2018, 3, 5071-5077.	1.6	13

#	ARTICLE	IF	CITATIONS
204	Vertically aligned MoS ₂ on Ti ₃ C ₂ (MXene) as an improved HER catalyst. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16882-16889.	5.2	146
205	Microwave-Assisted Syntheses of Thiophene-Based Ionic Liquids: Structural Design and Optimization. <i>Synthesis</i> , 2018, 50, 4846-4854.	1.2	5
206	Microwave Assisted Amination of 2-Chloro Azoles with Various Substituted Aryl Piperazines and Aryl Sulfonylpiperazines Under Neat Conditions. <i>Current Microwave Chemistry</i> , 2018, 5, 62-72.	0.2	5
207	Investigation of phosphorous doping effects on polymeric carbon dots: Fluorescence, photostability, and environmental impact. <i>Carbon</i> , 2018, 129, 438-449.	5.4	115
208	CuO Nanoparticles as An Efficient Heterogeneous Catalyst for the 1,3-Dipolar Cycloaddition of Dicarbonyl Compounds to Azides. <i>ChemistrySelect</i> , 2018, 3, 6195-6202.	0.7	16
209	Aerobic oxidative amidation of alkynes using titanium oxide encapsulated cuprous iodide nanoparticles (CuI@TiO ₂). <i>New Journal of Chemistry</i> , 2018, 42, 12062-12071.	1.4	14
210	Rapid Epoxidation of α,β -Unsaturated Olefin in Microdroplets without Any Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14389-14393.	3.2	23
211	Syntheses of ester and amide derivatives of calix[6]arene and their complexation affinities towards La ³⁺ , Eu ³⁺ , and Yb ³⁺ . <i>Supramolecular Chemistry</i> , 2019, 31, 723-731.	1.5	1
212	Modified Biginelli Reaction: Synthesis of Pyrimidoquinoline Derivatives. <i>Asian Journal of Chemistry</i> , 2019, 31, 1243-1245.	0.1	2
213	Obtaining SiO ₂ Nanopowders Using Microwave Field Processing. , 2019, , .		0
214	Optimization of the synthesis of quinoline-based neutral cyclometalated iridium complexes via microwave irradiation: design of light harvesting and emitting complexes using bulky quinolines. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3374-3382.	2.3	5
215	The Role of Susceptors in the Process of, Obtaining Nanopowders Using Microwaves. , 2019, , .		1
216	Spent Coffee Grounds-Templated Magnetic Nanocatalysts for Mild Oxidations. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17030-17038.	3.2	13
217	Recyclable Heterogeneous Fe-Mo Nanocatalyst: Application in Solvent Free Synthesis of β -enaminones. <i>Current Organocatalysis</i> , 2019, 6, 238-247.	0.3	2
218	Photocatalytic primary alcohol oxidation on WO ₃ nanoplatelets. <i>RSC Advances</i> , 2019, 9, 28688-28694.	1.7	11
219	Synthesis of polyester from renewable feedstock: a comparison between microwave and conventional heating. <i>Mendeleev Communications</i> , 2019, 29, 178-180.	0.6	4
220	Synthesis of a Renewable Macrocyclic Musk: Evaluation of Batch, Microwave, and Continuous Flow Strategies. <i>Organic Process Research and Development</i> , 2019, 23, 283-287.	1.3	24
221	Microwave-Assisted One-Pot [3+2] Cycloaddition of Azomethine Ylides and α -Alkenyl Oxindoles: A Facile Approach to Pyrrolidine-Fused Bis-Spirooxindoles. <i>ChemistrySelect</i> , 2019, 4, 1727-1730.	0.7	27

#	ARTICLE	IF	CITATIONS
222	110th Anniversary: Nucleation of Ag Nanoparticles in Helical Microfluidic Reactor. Comparison between Microwave and Conventional Heating. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 12702-12711.	1.8	24
223	Microwave-assisted synthesis of carbon dots and their applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7175-7195.	2.7	270
224	Influence of Pressure to Morphology of TiO ₂ Nanofibers Prepared by Microwave-Assisted Synthesis Method. <i>Key Engineering Materials</i> , 2019, 800, 132-137.	0.4	0
225	Microwave-assisted synthesis of glutathione-coated hollow zinc oxide for the removal of heavy metal ions from aqueous systems. <i>RSC Advances</i> , 2019, 9, 15976-15985.	1.7	18
226	Carbonyl Reduction and Biomass: A Case Study of Sustainable Catalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10182-10197.	3.2	30
227	Magnetic nanoparticle-supported eosin Y ammonium salt: An efficient heterogeneous catalyst for visible light oxidative C=C and C=P bond formation. <i>Tetrahedron</i> , 2019, 75, 3448-3455.	1.0	20
228	Design and synthesis of anticancer 1-hydroxynaphthalene-2-carboxanilides with a p53 independent mechanism of action. <i>Scientific Reports</i> , 2019, 9, 6387.	1.6	32
230	Microwave-assisted Transition Metal-catalyzed Coupling Approach to Indazole Diversity. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 404-411.	1.0	6
231	Microwave Flow Chemistry as a Methodology in Organic Syntheses, Enzymatic Reactions, and Nanoparticle Syntheses. <i>Chemical Record</i> , 2019, 19, 118-139.	2.9	31
232	Graphene Quantum Dots in Electrochemical Sensors/Biosensors. <i>Current Analytical Chemistry</i> , 2019, 15, 103-123.	0.6	87
233	Heterogeneously Catalyzed Synthesis of Imidazolones via Cycloisomerizations of Propargylic Ureas Using Ag and Au/Al SBA-15 Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5568-5575.	3.2	22
234	Green synthesis of silver nanoparticles using one-pot and microwave-assisted methods and their subsequent embedment on PVDF nanofibre membranes for growth inhibition of mesophilic and thermophilic bacteria. <i>New Journal of Chemistry</i> , 2019, 43, 4168-4180.	1.4	33
235	Synthesis of polylactic acid using Zn powder under microwave irradiation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 571, 012085.	0.3	5
236	Ultrasound and microwave irradiation: contributions of alternative physicochemical activation methods to Green Chemistry. <i>Green Chemistry</i> , 2019, 21, 6043-6050.	4.6	58
237	Microwave assisted persulfate induced degradation of sodium dodecyl benzene sulfonate. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 2000-2007.	1.2	14
238	Microwave reactivity and energy efficiency in the undergraduate organic laboratory. , 2019, , 85-115.		3
239	Synthesis of iron oxide nanorods for enhanced magnetic hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 469, 443-449.	1.0	47
240	Microwave-assisted solvothermal synthesis of worms-like TiO ₂ nanostructures in submicron regime as light scattering layers for dye-sensitized solar cells. <i>Materials Letters</i> , 2019, 236, 747-751.	1.3	17

#	ARTICLE	IF	CITATIONS
241	Aqueous phase environmental friendly organic corrosion inhibitors derived from one step multicomponent reactions: A review. <i>Journal of Molecular Liquids</i> , 2019, 275, 18-40.	2.3	145
242	Systematic Study of the Behavior of Different Metal and Metal-Containing Particles under the Microwave Irradiation and Transformation of Nanoscale and Microscale Morphology. <i>Nanomaterials</i> , 2019, 9, 19.	1.9	11
243	Microwave-promoted synthesis of cyclic imides. <i>Arkivoc</i> , 2019, 2018, 319-345.	0.3	3
244	Recent development of covalent organic frameworks (COFs): synthesis and catalytic (organic-electro-photo) applications. <i>Materials Horizons</i> , 2020, 7, 411-454.	6.4	291
245	Rapid microwave-assisted Porter method for determination of proanthocyanidins. <i>Phytochemical Analysis</i> , 2020, 31, 215-220.	1.2	1
246	Unmodified silver nanoparticles for dual detection of dithiocarbamate fungicide and rapid degradation of water pollutants. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 1739-1752.	1.8	20
247	Design, crystal structures and sustainable synthesis of family of antipyrene derivatives: Abolish to bacterial and parasitic infection. <i>Journal of Molecular Structure</i> , 2020, 1199, 127010.	1.8	7
248	Melanoidin removal in multi-oxidant supplemented microwave system: Optimization of operating conditions using response surface methodology and cost estimation. <i>Journal of Water Process Engineering</i> , 2020, 33, 101008.	2.6	13
249	Fast Production of Cellulose Nanocrystals by Hydrolytic-Oxidative Microwave-Assisted Treatment. <i>Polymers</i> , 2020, 12, 68.	2.0	20
250	Solid waste biorefineries. , 2020, , 3-17.		2
251	Microwave-irradiated tanning reaction of aluminum with collagen. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48682.	1.3	1
252	Microwave-Assisted Palladium-Catalyzed Cross-Coupling Reactions: Generation of Carbon-Carbon Bond. <i>Catalysts</i> , 2020, 10, 4.	1.6	44
253	Microwave-assisted synthesis, structural elucidation, antimicrobial and pesticidal activity of heterobimetallic complexes of Copper(II). <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 973-983.	1.2	4
254	Investigation of temperature dependent dielectric relaxation studies of 1,4-Butanediol/DMSO binary mixtures at the microwave frequency. <i>Journal of Molecular Liquids</i> , 2020, 299, 112190.	2.3	5
255	Rapid synthesis of chitosan-capped gold nanoparticles for analytical application and facile recovery of gold from laboratory waste. <i>Carbohydrate Polymers</i> , 2020, 250, 116983.	5.1	8
256	High-biobased-content UV-curable oligomers derived from tung oil and citric acid: Microwave-assisted synthesis and properties. <i>European Polymer Journal</i> , 2020, 140, 109997.	2.6	18
257	Development of gelatin aerogels reinforced with graphene oxide by microwave-assisted synthesis: Influence of the synthesis conditions on their physicochemical properties. <i>Polymer</i> , 2020, 208, 122951.	1.8	9
258	Modeling, design, and synthesis of gram-scale monodispersed silver nanoparticles using microwave-assisted polyol process for metamaterial applications. <i>Optical Materials</i> , 2020, 108, 110381.	1.7	26

#	ARTICLE	IF	CITATIONS
259	Efficient and straightforward access to diverse and densely functionalized chromenes by 3-amino-1,2,4-triazole supported on hydroxyapatite-encapsulated- Fe_3O_4 ($\text{Fe}_3\text{O}_4/\text{HAp}@/\text{CPTMS}$) as a new magnetic basic nanocatalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 130, 955-977.	0.8	9
260	Graphene-supported organic-inorganic layered double hydroxides and their environmental applications: A review. <i>Journal of Cleaner Production</i> , 2020, 273, 122980.	4.6	47
261	Microwave-Assisted vs. Conventional Hydrothermal Synthesis of MoS ₂ Nanosheets: Application towards Hydrogen Evolution Reaction. <i>Crystals</i> , 2020, 10, 1040.	1.0	26
263	Inorganic nanoparticle synthesis in flow reactors – applications and future directions. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1619-1641.	1.9	25
264	Ink-Based Additive Nanomanufacturing of Functional Materials for Human-Integrated Smart Wearables. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000117.	3.3	17
265	Evaluation of the antimicrobial activity of silver nanoparticles obtained by microwave-assisted green synthesis using <i>Handroanthus impetiginosus</i> (Mart. ex DC.) Mattos underbark extract. <i>RSC Advances</i> , 2020, 10, 20676-20681.	1.7	33
266	Microwave assisted synthesis of propyl esters over modified versions of zirconia: Kinetic study. <i>Chemical Data Collections</i> , 2020, 30, 100579.	1.1	7
267	Microwave-Based Synthesis of Functional Morphological Variants and Carbon Nanotube-Based Composites of VS ₄ for Electrochemical Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16397-16412.	3.2	9
268	The microwave-assisted syntheses and applications of non-fused single-nitrogen-containing heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9737-9761.	1.5	18
269	Perovskite oxide-based photocatalysts for solar-driven hydrogen production: Progress and perspectives. <i>Solar Energy</i> , 2020, 211, 584-599.	2.9	84
270	Using microwave irradiation to catalyze the in-situ manufacturing of silver nanoparticles on cotton fabric for antibacterial and UV-protective application. <i>Cellulose</i> , 2020, 27, 9105-9121.	2.4	15
271	Multicomponent Reactions: –Kinderleicht–. <i>Journal of Chemical Education</i> , 2020, 97, 3739-3745.	1.1	30
272	Microwave-Assisted Synthesis of Water-Dispersible Humate-Coated Magnetite Nanoparticles: Relation of Coating Process Parameters to the Properties of Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 1558.	1.9	12
273	Process intensification connects scales and disciplines towards sustainability. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 2489-2506.	0.9	31
274	Extending the Color Retention of an Electrochromic Device by Immobilizing Color Switching and Ion-Storage Complementary Layers. <i>Electronic Materials</i> , 2020, 1, 40-53.	0.9	3
275	Ultrafast solid-liquid intercalation enabled by targeted microwave energy delivery. <i>Science Advances</i> , 2020, 6, .	4.7	12
276	Microwave-assisted regioselective synthesis of substituted-9-bromo-9,10-dihydro-9,10-ethanoanthracenes via Diels-Alder cycloaddition. <i>Journal of King Saud University - Science</i> , 2020, 32, 3417-3420.	1.6	2
277	Microwave-Assisted Synthesis of Silver Nanoparticles: Effect of Reaction Temperature and Precursor Concentration on Fluorescent Property. <i>Journal of Cluster Science</i> , 2020, , 1.	1.7	12

#	ARTICLE	IF	CITATIONS
278	Synthesis, Molecular Docking, Druglikeness Analysis, and ADMET Prediction of the Chlorinated Ethanoanthracene Derivatives as Possible Antidepressant Agents. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7727.	1.3	11
279	Logical-Information Model of Energy-Saving Production of Organic Sulfur Compounds from Low-Molecular Sulfur Waste Fuel Oil. <i>Energies</i> , 2020, 13, 5286.	1.6	3
280	Cd(ⁱⁱ) coordination compounds as heterogeneous catalysts for microwave-assisted peroxidative oxidation of toluene and 1-phenylethanol. <i>New Journal of Chemistry</i> , 2020, 44, 9163-9171.	1.4	18
281	Depolymerization of PET into terephthalic acid in neutral media catalyzed by the ZSM-5 acidic catalyst. <i>Chemical Engineering Journal</i> , 2020, 398, 125655.	6.6	89
282	One-pot synthesis of symmetrical and asymmetrical diphenylamines from guanidines with aryl iodide using Cu/Cu ₂ O nanocatalyst. <i>Molecular Catalysis</i> , 2020, 492, 110998.	1.0	4
283	Reactive Extraction Enhanced by Synergic Microwave Heating: Furfural Yield Boost in Biphasic Systems. <i>ChemSusChem</i> , 2020, 13, 3589-3593.	3.6	26
284	Deep eutectic solvents: cutting-edge applications in cross-coupling reactions. <i>Green Chemistry</i> , 2020, 22, 3668-3692.	4.6	124
285	Photocatalytic synthesis of 2-amino-4,6-diarylpyrimidines using nanoTiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 399, 112648.	2.0	3
286	Microwave-Assisted Regioselective Friedel-Crafts Arylation by BF ₃ ·OEt ₂ : A Facile Synthetic Access to 5-Substituted Propargyl Oxindole Scaffolds. <i>ChemistrySelect</i> , 2020, 5, 7004-7012.	0.7	8
287	Influence of the Fuel/Oxidant Ratio on the Elaboration of Binary Oxide Catalyst by a Microwave-Assisted Solution Combustion Method. <i>Energies</i> , 2020, 13, 3126.	1.6	3
288	Perspective on the transformation of carbohydrates under green and sustainable reaction conditions. , 2020, , 3-71.		6
289	Microwave irradiation versus conventional heating assisted free-radical copolymerization in solution. <i>Chemical Engineering Journal</i> , 2020, 399, 125761.	6.6	12
290	Influence of tartaric acid concentration on structural and optical properties of CuSe nanoparticles synthesized via microwave assisted method. <i>Results in Physics</i> , 2020, 17, 103041.	2.0	25
291	Solvent-free and room temperature microwave-assisted direct C7 allylation of indolines via sequential C-H and C-C activation. <i>RSC Advances</i> , 2020, 10, 10883-10887.	1.7	15
292	Green hydrophobization of fume silica: Tailoring of heterogeneous basic catalyst for biodiesel production. <i>Journal of Cleaner Production</i> , 2020, 260, 121066.	4.6	10
293	New Dual-Functional and Reusable Bimetallic Y ₂ ZnO ₄ Nanocatalyst for Organic Transformation under Microwave/Green Conditions. <i>ACS Omega</i> , 2020, 5, 4973-4981.	1.6	17
294	Nanoparticles inks. , 2020, , 63-82.		1
295	Phosphorous-Doped Graphitic Material as a Solid Acid Catalyst for Microwave-Assisted Synthesis of β -Ketoenamines and Baeyer-Villiger Oxidation. <i>ACS Omega</i> , 2020, 5, 15962-15972.	1.6	8

#	ARTICLE	IF	CITATIONS
296	Theoretical investigation for synthesis and characterization of two novel disubstituted imidazoles using microwave. AIP Conference Proceedings, 2020, , .	0.3	7
297	Molecular Design of Aromatic Polythionoesters. ACS Omega, 2020, 5, 3016-3029.	1.6	3
298	ZnO nanoparticles catalyzed synthesis of bis- and poly(imidazoles) as potential anticancer agents. Synthetic Communications, 2020, 50, 980-996.	1.1	10
299	Click chemical assembly and validation of bio-functionalized superparamagnetic hybrid microspheres. Applied Nanoscience (Switzerland), 2020, 10, 1861-1869.	1.6	8
300	Rapid microwaving route for pseudocapacitive nanostructured polypyrroles. Materials Chemistry and Physics, 2020, 244, 122694.	2.0	4
301	Regiospecificity in Ligand-Free Pd-Catalyzed C-H Arylation of Indoles: LiHMDS as Base and Transient Directing Group. ACS Catalysis, 2020, 10, 2713-2719.	5.5	32
302	A mild and convenient approach for selective acetonide cleavage involved in carbohydrate synthesis using PPA-SiO ₂ . Journal of Carbohydrate Chemistry, 2020, 39, 63-74.	0.4	2
303	Infrared-Assisted Synthesis of Prebiotic Glycine. ChemPhysChem, 2020, 21, 503-509.	1.0	3
304	Chemical recycling of poly(bisphenol A carbonate). Polymer Chemistry, 2020, 11, 4830-4849.	1.9	101
305	Eco-friendly synthesis and antifungal evaluation of N-substituted benzimidazoles. Monatshefte für Chemie, 2020, 151, 575-588.	0.9	14
306	Sustainable Synthesis of Nanoscale Zerovalent Iron Particles for Environmental Remediation. ChemSusChem, 2020, 13, 3288-3305.	3.6	42
307	Microwave engineered structural, nano-morphological and photo-responsive characteristics in 2D-layered dual-phase MoO-MoSe films. Applied Surface Science, 2020, 519, 146263.	3.1	6
308	Microwave chemistry, recent advancements, and eco-friendly microwave-assisted synthesis of nanoarchitectures and their applications: a review. Materials Today Nano, 2020, 11, 100076.	2.3	154
309	Benefits and applications of microwave-assisted synthesis of nitrogen containing heterocycles in medicinal chemistry. RSC Advances, 2020, 10, 14170-14197.	1.7	133
310	Symmetrical Tertiary Amines: Applications and Synthetic Approaches. European Journal of Organic Chemistry, 2021, 2021, 543-586.	1.2	18
311	Microwave-mechanochemistry-assisted synthesis of Z-scheme H ₂ Sr ₂ Nb ₃ O ₁₀ /WO ₃ heterojunctions for improved simulated sunlight driven photocatalytic activity. Journal of Environmental Chemical Engineering, 2021, 9, 104624.	3.3	8
312	Catalyst-free fixation of carbon dioxide into value-added chemicals: a review. Environmental Chemistry Letters, 2021, 19, 911-940.	8.3	21
313	Microwave-Assisted Synthesis of Covalent Organic Frameworks: A Review. ChemSusChem, 2021, 14, 208-233.	3.6	80

#	ARTICLE	IF	CITATIONS
314	Multifactor-Regulated Fast Synthesis of Zr^{4+} -Zirconium Phosphate Nanocrystals Towards Highly Efficient Adsorption of Pesticides. <i>Journal of Materials Science</i> , 2021, 56, 313-325.	1.7	2
315	Continuous flow synthesis of L-menthyl glyoxylate monohydrate: an important intermediate in the manufacture of antiretrovirals. <i>Arkivoc</i> , 2021, 2020, 49-63.	0.3	0
316	Microwave-assisted catalyst as well as solvent-free synthesis of bioactive heterocycles. , 2021, , 225-244.		3
317	Cross-dehydrogenative coupling: a sustainable reaction for C-C bond formations. <i>Green Chemistry</i> , 2021, 23, 6789-6862.	4.6	130
318	Nanoengineered iron oxide-based sorbents for separation of various water pollutants: current status, opportunities and future outlook. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 818-860.	1.2	10
319	Homogeneous microwave-assisted carboxymethylation from totally chlorine free bleached olive tree pruning residues pulp. <i>Journal of the Serbian Chemical Society</i> , 2022, 87, 247-261.	0.4	1
320	High-Frequency Homogenization for Electromagnetic Heating of Periodic Media. <i>Multiscale Modeling and Simulation</i> , 2021, 19, 1285-1309.	0.6	0
321	Verification of Microwave Effects on Molecular Clusters by Using Supersonic Molecular Jets. <i>Journal of Oleo Science</i> , 2021, 70, 1517-1525.	0.6	2
322	Microwave-initiated recombination of hydrogen bonds of a perylene diimide supramolecule for PPCP photodegradation. <i>Catalysis Science and Technology</i> , 2021, 11, 3787-3798.	2.1	6
323	The Riveting Chemistry of Polyheterocycles Employing Microwave Technique: A Decade Review. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1476-1490.	1.2	7
324	Microwave assisted organic syntheses (MAOS): The green synthetic method. , 2021, , 491-542.		2
325	Silver nanomaterials: synthesis and (electro/photo) catalytic applications. <i>Chemical Society Reviews</i> , 2021, 50, 11293-11380.	18.7	79
326	The elevated colour rendering of white-LEDs by microwave-synthesized red-emitting (Li, Tj) ETQq0 0 0 rgBT /Overlock 10 Tf 50 267 Td (M Transactions, 2021, 50, 3044-3059.	1.6	16
327	Homoselective synthesis of 5-substituted 1H-tetrazoles and one-pot synthesis of 2,4,5-trisubstituted imidazole compounds using BNPs@SiO ₂ -TPPTSA as a stable and new reusable nanocatalyst. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6144.	1.7	14
328	The role of precursor decomposition in the formation of samarium doped ceria nanoparticles via solid-state microwave synthesis. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	1
329	Microfluidic Modules Integrated with Microwave Components—Overview of Applications from the Perspective of Different Manufacturing Technologies. <i>Sensors</i> , 2021, 21, 1710.	2.1	7
330	Three dimensional nitrogen, phosphorus and sulfur doped porous graphene as efficient bifunctional electrocatalysts for direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 10247-10258.	3.8	23
331	Acridine-1,8-diones: Synthesis and Biological Applications. <i>ChemistrySelect</i> , 2021, 6, 2210-2251.	0.7	17

#	ARTICLE	IF	CITATIONS
332	Conventional vs. Microwave- or Mechanically-Assisted Synthesis of Dihomooxalix[4]arene Phthalimides: NMR, X-ray and Photophysical Analysis. <i>Molecules</i> , 2021, 26, 1503.	1.7	1
333	You Don't Learn That in School: An Updated Practical Guide to Carbon Quantum Dots. <i>Nanomaterials</i> , 2021, 11, 611.	1.9	17
334	A versatile strategy to synthesize sugar ligand coated superparamagnetic iron oxide nanoparticles and investigation of their antibacterial activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126086.	2.3	13
335	Search for the Microwave Nonthermal Effect in Microwave Chemistry: Synthesis of the Heptyl Butanoate Ester with Microwave Selective Heating of a Sulfonated Activated Carbon Catalyst. <i>Catalysts</i> , 2021, 11, 466.	1.6	4
336	1-Ethyl-3-Methylimidazolium Cyanoborohydride Catalyzed Solvent Free Microwave Assisted One Pot Multicomponent Synthesis of Tetrahydrobenzo[b]Pyran Derivatives. <i>Letters in Organic Chemistry</i> , 2021, 18, .	0.2	2
337	Base promoted metal-free approach towards synthesis of quinazolin-4(3H)-ones and 2,3-dihydroquinazolin-4(1H)-ones under microwave irradiation. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 20, 100402.	1.6	7
338	Recent developments of supported and magnetic nanocatalysts for organic transformations: an up-to-date review. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 15-63.	1.6	18
339	Recent advances in MXene-based nanoarchitectures as electrode materials for future energy generation and conversion applications. <i>Coordination Chemistry Reviews</i> , 2021, 435, 213806.	9.5	97
340	Effect of Microwave Irradiation on the Catalytic Activity of Tetragonal Zirconia: Selective Hydrogenation of Aldehyde. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 5841-5848.	1.7	5
341	Incoherent microwaves heating of water: A combined experimental and simulated investigation. <i>Chemical Physics Letters</i> , 2021, 771, 138528.	1.2	4
342	Gum polysaccharide/nanometal hybrid biocomposites in cancer diagnosis and therapy. <i>Biotechnology Advances</i> , 2021, 48, 107711.	6.0	26
343	Covalent surface functionalization of carbon nanostructures via [2+1] cycloaddition microwave-assisted reactions. <i>Journal of Materials Science</i> , 2021, 56, 13524-13539.	1.7	2
344	Recent Advances in Metal-Nanoparticle-Catalyzed Coupling Reactions Assisted by Microwave Irradiation. <i>Synthesis</i> , 2021, 53, 3513-3521.	1.2	5
345	Copper incorporated hydroxyapatite encapsulated Kit-6 mesoporous silica as a novel and recoverable nanocatalyst for the synthesis of quinazolines. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 441-454.	0.8	1
346	Microwave-assisted Organic Synthesis in Water. <i>Current Microwave Chemistry</i> , 2021, 8, 117-127.	0.2	5
347	Structure-Tailored Non-Noble Metal-based Ternary Chalcogenide Nanocrystals for Pt-like Electrocatalytic Hydrogen Production. <i>ChemSusChem</i> , 2021, 14, 3074-3083.	3.6	5
348	Covalent organic frameworks: Design principles, synthetic strategies, and diverse applications. <i>Giant</i> , 2021, 6, 100054.	2.5	142
349	Microwave Synthetic Routes for Shape-Controlled Catalyst Nanoparticles and Nanocomposites. <i>Molecules</i> , 2021, 26, 3647.	1.7	16

#	ARTICLE	IF	CITATIONS
350	Impact of Microwaves on Organic Synthesis and Strategies toward Flow Processes and Scaling Up. <i>Journal of Organic Chemistry</i> , 2021, 86, 13857-13872.	1.7	44
351	Microwave-Promoted Continuous Flow Systems in Nanoparticle Synthesis—A Perspective. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9988-10015.	3.2	13
352	Microwave-assisted one-step rapid synthesis of dicyano imidazoles by HNO ₃ as a high efficient promoter. <i>Green Chemistry Letters and Reviews</i> , 2021, 14, 500-508.	2.1	6
353	Nanodots Derived from Layered Materials: Synthesis and Applications. <i>Advanced Materials</i> , 2021, 33, e2006661.	11.1	29
354	Preparation of siloxane coatings under microwave irradiation. <i>Russian Chemical Bulletin</i> , 2021, 70, 1471-1473.	0.4	2
355	Preparation and Chiral Applications of Optically Active Polyamides. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100341.	2.0	12
356	Identification of a new class of potent aldose reductase inhibitors: Design, microwave-assisted synthesis, in vitro and in silico evaluation of 2-pyrazolines. <i>Chemico-Biological Interactions</i> , 2021, 345, 109576.	1.7	33
357	Determination of the Absolute Configuration of Bioactive Indole-Containing Pyrazino[2,1-b]quinazoline-3,6-diones and Study of Their In Vitro Metabolic Profile. <i>Molecules</i> , 2021, 26, 5070.	1.7	3
358	Solvothermal Fabrication of NiO/Co ₃ O ₄ Spherical Composites Modified with N-Doped Graphene Quantum Dots as a Catalyst in the Microwave-Assisted Synthesis of Spiro[diindenopyridine-indoline] Triones. <i>ChemistrySelect</i> , 2021, 6, 8402-8410.	0.7	3
359	Sustainable strategies of C–N bond formation via Ullmann coupling employing earth abundant copper catalyst. <i>Tetrahedron</i> , 2021, 97, 132406.	1.0	16
360	Antiproliferative activity of zinc oxide-silver nanocomposite interlinked with Vaccinium arctostaphylos L. fruit extract against cancer cells and bacteria. <i>Chemical Papers</i> , 2022, 76, 247-257.	1.0	1
361	ZnS-based quantum dots as photocatalysts for water purification. <i>Journal of Water Process Engineering</i> , 2021, 43, 102217.	2.6	41
362	CuS, In ₂ S ₃ and CuInS ₂ nanoparticles by microwave-assisted solvothermal route and their electrochemical studies. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 160, 110319.	1.9	13
363	Ultrasound and microwave heating for the synthesis of green corrosion inhibitors: a literature study. , 2022, , 303-319.		1
364	Process intensification using immobilized enzymes for the development of white biotechnology. <i>Catalysis Science and Technology</i> , 2021, 11, 1994-2020.	2.1	15
365	Microwave-assisted flow systems in the green production of fine chemicals. , 2021, , 101-136.		2
366	A current research on silica coated ferrite nanoparticle and their application: Review. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100063.	2.9	24
367	Microwave Assisted Envirocat EPZ-10 Catalyzed Multi-component Synthesis of 1-Amidoalkyl-2-naphthols. <i>Asian Journal of Organic & Medicinal Chemistry</i> , 2021, 6, 204-210.	0.1	0

#	ARTICLE	IF	CITATIONS
368	A review of the microwave-assisted synthesis of carbon nanomaterials, metal oxides/hydroxides and their composites for energy storage applications. <i>Nanoscale</i> , 2021, 13, 11679-11711.	2.8	93
369	Microwave-Assisted Reactions in Green Chemistry. , 2018, , 1-40.		4
370	Microwave-Assisted Reactions in Green Chemistry. , 2019, , 573-612.		4
371	Production Techniques. <i>SpringerBriefs in Pharmaceutical Science & Drug Development</i> , 2015, , 23-43.	0.4	2
372	Synthesis of Quantum Dots. , 2020, , 13-29.		1
373	Synthetic polysaccharides. , 2020, , 333-371.		2
374	Aluminum tanning of hide powder and skin pieces under microwave irradiation. <i>Journal of Leather Science and Engineering</i> , 2020, 2, .	2.7	7
375	Microwave: A Green Contrivance for the Synthesis of N-Heterocyclic Compounds. <i>Current Organic Chemistry</i> , 2020, 24, 2527-2554.	0.9	14
376	(Thio)urea-catalyzed Friedel-Crafts Reaction: Synthesis of Bis(indolyl)-methanes. <i>Letters in Organic Chemistry</i> , 2019, 16, 959-968.	0.2	7
377	Recent Progress on Carbon-chalcogen Bond Formation Reaction Under Microwave Irradiation. <i>Current Microwave Chemistry</i> , 2020, 7, 40-49.	0.2	6
378	Microwave Assisted Catalyst-free Synthesis of Bioactive Heterocycles. <i>Current Microwave Chemistry</i> , 2020, 7, 5-22.	0.2	15
379	Microwave-accelerated Carbon-carbon and Carbon-heteroatom Bond Formation via Multi-component Reactions: A Brief Overview. <i>Current Microwave Chemistry</i> , 2020, 7, 23-39.	0.2	16
380	Recent Advances in Microwave-Assisted Copper-Catalyzed Cross-Coupling Reactions. <i>Catalysts</i> , 2021, 11, 46.	1.6	20
381	Microwave-Assisted Synthesis of Benzofuran/Benzothiophene-Fused Naphthyridines via Thorpe-Ziegler Type Heterocyclization. <i>Heterocycles</i> , 2017, 94, 1055.	0.4	3
382	Synthesis and Applications of ZnV ₂ O ₆ Nanomaterials. <i>Ferroelectrics</i> , 2021, 581, 125-143.	0.3	9
383	Microwave assisted novel one-pot three-component reaction for synthesis of 3-aminoimidazopyridines using molecular iodine. <i>Tetrahedron Letters</i> , 2021, 84, 153452.	0.7	7
384	Unusual Case of Higher Cyclic Stability at a Wider Voltage Window in Sodium Vanadium Phosphate. <i>ACS Applied Energy Materials</i> , 2021, 4, 12581-12592.	2.5	4
385	Investigating the Role of Natural Deep Eutectic Low Melting Mixtures for the Synthesis of Symmetrical Bisamides. <i>ChemistrySelect</i> , 2021, 6, 10948-10956.	0.7	11

#	ARTICLE	IF	CITATIONS
386	2D/2D Heterojunction systems for the removal of organic pollutants: A review. <i>Advances in Colloid and Interface Science</i> , 2021, 297, 102540.	7.0	51
387	Microwave-assisted synthesis and enhanced photocatalytic performance of Bi ₂ O ₂ CO ₃ nanoplates. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109004.	1.8	14
388	Microwave-Assisted Synthesis of Chiral Oxime Ethers. <i>Letters in Organic Chemistry</i> , 2019, 16, 495-500.	0.2	1
389	Recent Advances in Microwave Promoted C-P Cross-coupling Reactions. <i>Current Microwave Chemistry</i> , 2020, 7, 112-122.	0.2	3
390	Constructing Pd/ferroelectric Bi ₄ Ti ₃ O ₁₂ nanoflake interfaces for O ₂ activation and boosting NO photo-oxidation. <i>Applied Catalysis B: Environmental</i> , 2022, 302, 120876.	10.8	19
391	Wet Chemical Synthesis and Processing of Nanoferrites in Terms of Their Shape, Size and Physiochemical Properties. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 63-84.	1.4	0
392	Design and synthesis of nano Cu/chitosan-starch bio-composite for the treatment of human thyroid carcinoma. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103465.	2.3	9
393	Liquid-Phase Synthesis of Multifunctional Nanomaterials: A Recent Update. <i>Nanomedicine and Nanotoxicology</i> , 2020, , 1-56.	0.1	3
394	Scalably Nanomanufactured Atomically Thin Materials-Based Wearable Health Sensors. <i>Small Structures</i> , 2022, 3, 2100120.	6.9	16
395	Covalent-Organic Framework Composites: A Review Report on Synthesis Methods. <i>ChemistrySelect</i> , 2021, 6, 11201-11223.	0.7	13
397	Supported nanocatalysts: recent developments in microwave synthesis for application in heterogeneous catalysis. <i>Materials Advances</i> , 2022, 3, 859-887.	2.6	17
398	Supercapacitor electrode fabrication through chemical and physical routes. <i>Journal of Power Sources</i> , 2022, 519, 230744.	4.0	40
399	Rapid Microwave-Assisted Synthesis and Electrode Optimization of Organic Anode Materials in Sodium-Ion Batteries. <i>Small Methods</i> , 2021, 5, e2101016.	4.6	7
400	Spherical MoO ₃ Nanoparticles for Photocatalytic Removal of Eriochrome Black T. <i>ACS Applied Nano Materials</i> , 2021, 4, 12766-12778.	2.4	11
401	Enhanced charge separation efficiency of sulfur-doped TiO ₂ nanorod arrays for an improved photoelectrochemical glucose sensing performance. <i>Journal of Materials Science</i> , 2022, 57, 1362-1372.	1.7	6
402	Aqueous phase polymeric corrosion inhibitors: Recent advancements and future opportunities. <i>Journal of Molecular Liquids</i> , 2022, 348, 118387.	2.3	34
403	Rapid Continuous-Flow Water-Free Synthesis of Ultrapure Ionic Liquids Assisted by Microwaves. <i>Organic Process Research and Development</i> , 2022, 26, 207-214.	1.3	5
404	2-Aminopyridine – an unsung hero in drug discovery. <i>Chemical Communications</i> , 2022, 58, 343-382.	2.2	21

#	ARTICLE	IF	CITATIONS
405	De-polymerization/De-fragmentation Aided Extraction of Value-Added Chemicals from Lignin. <i>Energy, Environment, and Sustainability</i> , 2022, , 113-141.	0.6	1
406	A review of Ni based powder catalyst for urea oxidation in assisting water splitting reaction. , 2022, 1, 100030.		90
407	Recent developments in green approaches for sustainable synthesis of indole-derived scaffolds. <i>Molecular Diversity</i> , 2022, 26, 3411-3445.	2.1	6
408	Synthesis and Chemistry of Diazo Compounds under Microwave Irradiation: A Review. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	3
409	Hydrogenation of carbon dioxide (CO ₂) to fuels in microreactors: a review of set-ups and value-added chemicals production. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 795-812.	1.9	7
410	Photodynamic evaluation of triazine appended porphyrins as anti-leishmanial and anti-tumor agents. <i>Polyhedron</i> , 2022, 217, 115711.	1.0	4
411	Copper Materials for Low Temperature Sintering. <i>Materials Transactions</i> , 2022, 63, 663-675.	0.4	7
412	Low-Temperature Microwave Processed TiO ₂ as an Electron Transport Layer for Enhanced Performance and Atmospheric Stability in Planar Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2022, 5, 2679-2696.	2.5	11
413	Modern Development in Copper and Nickel Catalyzed Cross-Coupling Reactions: Formation of Carbon-Carbon and Carbon-Heteroatom bonds under Microwave Irradiation Conditions. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	10
414	An Efficient and Versatile Deep Eutectic Solvent-Mediated Green Method for the Synthesis of Functionalized Coumarins. <i>ACS Omega</i> , 2022, 7, 10649-10659.	1.6	20
415	C-Heterogenized Re Nanoparticles as Effective Catalysts for the Reduction of 4-Nitrophenol and Oxidation of 1-Phenylethanol. <i>Catalysts</i> , 2022, 12, 285.	1.6	2
416	Recent advances on copper-catalyzed carbon chalcogenides cross-coupling reactions. <i>Current Organic Synthesis</i> , 2022, 19, .	0.7	1
417	Green synthesis of highly pure copper nanoparticles under microwave irradiation against pathogenic fungi on plants. <i>Chemical Papers</i> , 0, , 1.	1.0	0
418	Condensation Reactions of Aromatic Aldehydes with Active Methylene Compounds: The Beneficial Synergy of Alkaline Ionic Liquid in One Pot Synthesis. <i>Current Organocatalysis</i> , 2022, 09, .	0.3	0
419	A review on the recent advances in binder-free electrodes for electrochemical energy storage application. <i>Journal of Energy Storage</i> , 2022, 50, 104283.	3.9	57
420	Green and eco-friendly approaches for the extraction of chitin and chitosan: A review. <i>Carbohydrate Polymers</i> , 2022, 287, 119349.	5.1	88
421	Zr-Catalyzed Microwave Assisted Functionalization of Alkyne and Nitroalkene. <i>Asian Journal of Organic & Medicinal Chemistry</i> , 2022, 6, 302-305.	0.1	0
422	Microwave-Assisted Multi-Component Green Synthesis of Benzo[<i>c</i>]furo[2, 3- <i>c'</i>]phenazine Derivatives via a Magnetically-Separable Fe ₃ O ₄ @rGO@ZnO-HPA Nanocatalyst under Solvent-Free Conditions. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 586-596.	1.4	6

#	ARTICLE	IF	CITATIONS
423	Sulfonamide a Valid Scaffold for Antioxidant Drug Development. <i>Mini-Reviews in Organic Chemistry</i> , 2023, 20, 190-209.	0.6	8
424	Microwave-Assisted Post-Ugi Reactions for the Synthesis of Polycycles. <i>Molecules</i> , 2022, 27, 3105.	1.7	8
425	Highly efficient conversion of glycerol and α -butanol to biofuel additives over AlPO solid acid catalyst under microwave irradiation technique: kinetic study. <i>Comptes Rendus Chimie</i> , 2022, 25, 149-170.	0.2	1
426	Microwave-assisted rapid and sustainable synthesis of unsymmetrical azo dyes by coupling of nitroarenes with aniline derivatives. <i>IScience</i> , 2022, 25, 104497.	1.9	7
427	Microwave-Assisted Palladium-catalyzed double C-H Activation: One-pot Synthesis of Benzoimidazo[5,1,2-cd]indolizines from 2-Phenylimidazo[1,2-a]pyridines and 1,2-Diodobenzene. <i>ChemistrySelect</i> , 2022, 7, .	0.7	4
428	Synthesis and environmental applications of graphene oxide/layered double hydroxides and graphene oxide/MXenes: A critical review. <i>Separation and Purification Technology</i> , 2022, 297, 121518.	3.9	11
429	Synthesis of aprotic ionic liquids. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	11.8	17
430	A review on synthesis and applications of versatile nanomaterials. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-30.	0.9	3
431	An Efficient CuI-Catalyzed C-S Cross-Coupling Reaction under Microwave Irradiation in DMF. <i>Synthesis</i> , 0, , .	1.2	3
432	Synthesis of nanoparticles using microorganisms and their applications: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 3153-3197.	8.3	33
433	Microwave-Assisted CO Oxidation over Perovskites as a Model Reaction for Exhaust Aftertreatment—A Critical Assessment of Opportunities and Challenges. <i>Catalysts</i> , 2022, 12, 802.	1.6	2
434	Doping engineering and functionalization of iron oxide nanoclusters for biomedical applications. <i>Journal of Alloys and Compounds</i> , 2022, 923, 166459.	2.8	7
435	Efficient and Recyclable Solid-Supported Pd(II) Catalyst for Microwave-Assisted Suzuki Cross-Coupling in Aqueous Medium. <i>ACS Omega</i> , 2022, 7, 28831-28848.	1.6	7
436	Ultrafast synthesis of electrocatalysts. <i>Trends in Chemistry</i> , 2022, 4, 918-934.	4.4	10
437	Catalytic Applications of Heteropoly acid-Supported Nanomaterials in Synthetic Transformations and Environmental Remediation. <i>Comments on Inorganic Chemistry</i> , 0, , 1-48.	3.0	3
438	Synthesis and application of cellulose acetate-acrylic acid-acrylamide composite for removal of toxic methylene blue dye from aqueous solution. <i>Journal of Water Process Engineering</i> , 2022, 49, 103102.	2.6	7
439	Manganese ferrite (MnFe ₂ O ₄) nanostructures for cancer theranostics. <i>Coordination Chemistry Reviews</i> , 2022, 473, 214809.	9.5	77
440	Microwave Assisted Synthesis and Computational Approach of 5-Nitrothiophene-2-carboxaldehyde Derived Schiff Bases as Antibacterial Agents. <i>Asian Journal of Organic & Medicinal Chemistry</i> , 2022, 7, 273-279.	0.1	0

#	ARTICLE	IF	CITATIONS
441	Efficient microwave-assisted selective alkaline hydrolysis of diversely substituted phosphonate esters. <i>Green Chemistry</i> , 0, , .	4.6	0
442	Deep Eutectic Solvent (DES)-Mediated One-Pot Multicomponent Green Approach for Naphthalimide-Centered Acridine-1,8-dione Derivatives and Their Photophysical Properties. <i>ACS Omega</i> , 2022, 7, 35825-35833.	1.6	4
443	Microwave-Assisted Synthesis of Sulfide Solid Electrolytes for All-Solid-State Sodium Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 12592-12601.	2.5	5
444	Sustainable Synthesis of FITC Chitosan-Capped Gold Nanoparticles for Biomedical Applications. <i>Clean Technologies</i> , 2022, 4, 942-953.	1.9	1
445	Facile synthesis, pharmacological and In silico analysis of succinimide derivatives: An approach towards drug discovery. <i>Journal of Molecular Structure</i> , 2023, 1274, 134424.	1.8	4
446	Microwave-Assisted Synthesis, Characterization and Tribological Properties of a g-C ₃ N ₄ /MoS ₂ Nanocomposite for Low Friction Coatings. <i>Coatings</i> , 2022, 12, 1840.	1.2	9
447	Improved catalytic efficiency by N-doped TiO ₂ via sol gel under microwave irradiation: Dual applications in degradation of dye and microbes. , 2022, 1, 100010.		13
448	Artificial Intelligence-Based Rapid Design of Grease with Chemically Functionalized Graphene and Carbon Nanotubes as Lubrication Additives. <i>Langmuir</i> , 2023, 39, 647-658.	1.6	7
449	Green Synthetic Methods for the Cycloaddition Reactions: A Mini Review. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-22.	1.4	0
450	Microwave-assisted synthesis of a series of 4,5-dihydro-1H-pyrazoles endowed with selective COX-1 inhibitory potency. <i>Journal of the Serbian Chemical Society</i> , 2023, 88, 355-365.	0.4	2
451	Rapid and efficient microwave-assisted extraction of <i>Caesalpinia sappan</i> Linn. heartwood and subsequent synthesis of gold nanoparticles. <i>Green Processing and Synthesis</i> , 2023, 12, .	1.3	2
452	Tailoring the Chemical Structure of Nitrogen-Doped Carbon Dots for Nano-Aminocatalysis in Aqueous Media. <i>ChemSusChem</i> , 2023, 16, .	3.6	9
453	Antimicrobial and Antioxidant Study of Some Newly Synthesized Chalcones and Cyclohexenone Derivatives. <i>Asian Journal of Chemistry</i> , 2023, 35, 114-118.	0.1	1
454	Microwave-Assisted Functionalization of Multi-Walled Carbon Nanotubes for Biosensor and Drug Delivery Applications. <i>Pharmaceutics</i> , 2023, 15, 335.	2.0	8
455	Graphene oxide: Fe ₂ O ₃ nanocomposite: synthesis, properties, and applications. <i>Carbon Letters</i> , 2023, 33, 605-640.	3.3	3
456	One-Pot Carbon Chain Extension for the Nervonic/Carboxylic Acid Synthesis with the Assistance of Microwave and Lithium Chloride. <i>Synlett</i> , 0, , .	1.0	1
457	Electrochemical Synthesis of Functional Coatings and Nanomaterials in Molten Salts and Their Application. <i>Coatings</i> , 2023, 13, 352.	1.2	5
458	Microwave assisted sol-gel approach for Zr doped TiO ₂ as a benign photocatalyst for bismark brown red dye pollutant. <i>RSC Advances</i> , 2023, 13, 8692-8705.	1.7	5

#	ARTICLE	IF	CITATIONS
459	Microwave enhanced catalytic hydration of acrolein to 3-hydroxypropionaldehyde using simultaneous cooling: Experimental and theoretical studies. <i>Chemical Engineering Science</i> , 2023, 269, 118493.	1.9	0
460	Synthesis of cesium silver bismuth bromide double perovskite nanoparticles via a microwave-assisted solvothermal method. <i>Materials Today Chemistry</i> , 2023, 29, 101477.	1.7	1
461	Recent advances in metal/covalent organic frameworks based materials: Their synthesis, structure design and potential applications for hydrogen production. <i>Coordination Chemistry Reviews</i> , 2023, 483, 215066.	9.5	29
462	Pyrolysis of banana peel with microwave and furnace as the heating sources: The distinct impacts on evolution of the pyrolytic products. <i>Chemical Engineering Research and Design</i> , 2023, 173, 373-383.	2.7	2
463	Facile microwave-assisted synthesis of Dialdehyde~Î²~Cyclodextrin for evaluation of angiogenesis in wound healing. <i>Sustainable Chemistry and Pharmacy</i> , 2023, 33, 101074.	1.6	3
464	Hydrogen Evolution upon Ammonia Borane Solvolysis: Comparison between the Hydrolysis and Methanolysis Reactions. <i>Chemistry</i> , 2023, 5, 886-899.	0.9	4
465	Successive Photocatalytic Degradation of Methylene Blue by ZnO, CuO and ZnO/CuO Synthesized from Coriandrum sativum Plant Extract via Green Synthesis Technique. <i>Crystals</i> , 2023, 13, 281.	1.0	19
466	Microcrystalline Cellulose Decorated with Fe₃O₄ Nanoparticle Catalysts for the Microwave-Assisted Synthesis of Thioglyoxamides. <i>ACS Applied Nano Materials</i> , 2023, 6, 4005-4016.	2.4	2
467	Silver-Based Surface Plasmon Sensors: Fabrication and Applications. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4142.	1.8	9
468	Microwave Synthesizer: A Biomedical Engineering Technique With Advanced Applications. <i>Current Materials Science</i> , 2023, 16, .	0.2	0
469	Microwave-Assisted, Rapid Synthesis of Benzimidazole based Potential Anticancer Agent Methyl 1-benzyl-2-(4-fluoro-3-nitrophenyl)-1Hbenzo[d]imidazole-5-carboxylate (TJ08) via T3P Mediated Cyclization. <i>Asian Journal of Chemistry</i> , 2023, 35, 598-604.	0.1	0
470	Fast Microwave-Assisted Synthesis, Calcination and Functionalization of a Silica Mesoporous Nanomaterial: UVM𠫇. <i>ChemSusChem</i> , 2023, 16, .	3.6	6
471	Biofuel production, hydrogen production and water remediation by photocatalysis, biocatalysis and electrocatalysis. <i>Environmental Chemistry Letters</i> , 2023, 21, 1315-1379.	8.3	27
472	Synthesis, anti-angiogenic activity and prediction toxicity of (E)-3-(3-methoxyphenyl) propenoic acid. <i>Journal of Public Health in Africa</i> , 0, , .	0.2	0
473	Green nanoparticles for stereospecific and stereoselective organic synthesis. , 2023, , 195-240.		0
474	Microwave-assisted organic synthesis using nanoparticles. , 2023, , 241-253.		1
475	An Agro-Waste Catalyzed Facile Synthesis of 1 <i>H</i> Pyrazolo[1,2-b]Phthalazine-5,10-Dione Derivatives: Evaluation of Antioxidant and Electrochemical Studies. <i>Polycyclic Aromatic Compounds</i> , 2024, 44, 1128-1150.	1.4	1
476	Citrous Lime𠫊 Functional Reductive Booster for Oil-Mediated Green Synthesis of Bioactive Silver Nanospheres for Healthcare Clothing Applications and Their Eco-Mapping with SDGs. <i>Molecules</i> , 2023, 28, 2802.	1.7	0

#	ARTICLE	IF	CITATIONS
477	A Facile Deep Eutectic Solvent (DES) Mediated Green Approach for the Synthesis of Fluorescein and Phenolphthalein Dyes. <i>ChemistrySelect</i> , 2023, 8, .	0.7	2
478	Surfactant-Free Colloidal Syntheses of Precious Metal Nanoparticles for Improved Catalysts. <i>ACS Catalysis</i> , 2023, 13, 4903-4937.	5.5	13
479	The Stereoselective Total Synthesis of the Elusive Cephalosporolide F. <i>Journal of Organic Chemistry</i> , 2023, 88, 4880-4885.	1.7	1
480	N-Heterocyclic carbene: thiazolylidene-Cu(I) complexes; microwave-assisted synthesis and use as catalyst in A3 reaction. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 0, , 1-11.	0.8	1
481	A facile method for the preparation of non-metal doped nanotitania featuring visible-region photocatalytic performance. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2023, 294, 116497.	1.7	1
482	Green synthesis of natural compounds. , 2023, , 55-73.		0
484	Processing of Chemicals at Scale. , 2021, , 330-414.		0
487	Functionalization of Graphene and Factors Affecting Catalytic Performance. , 2023, , 154-207.		0
498	Microwave mediated chemical synthesis of metal oxide nanostructures for electrochemical supercapacitors. , 2023, , 61-76.		0
500	Green and Cost-Effective Synthesis of Sulfamidophosphonates Using ZnO Nanoparticles as Catalyst. , 0, , .		0
501	Microwave-Assisted vs. Conventional Hydrothermal Synthesis, Morphology, Microstructure, and Surface Area Analysis of g-C3N4/MoS2 Nanocomposite. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2023, , 151-164.	0.2	1
508	Molybdenum disulfide as a propitious electrochemical sensing material: a mini review. <i>Journal of Solid State Electrochemistry</i> , 0, , .	1.2	0
519	Guggulsterone - a potent bioactive phytosteroid: synthesis, structural modification, and its improved bioactivities. <i>RSC Medicinal Chemistry</i> , 0, , .	1.7	0