

Mohammad R Naimi-Jamal

List of Publications by Year in descending order

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150
papers

3,943
citations

126907

33
h-index

168389

53
g-index

167
all docs

167
docs citations

167
times ranked

4347
citing authors

#	ARTICLE	IF	CITATIONS
1	Solvent-free Knoevenagel condensations and Michael additions in the solid state and in the melt with quantitative yield. <i>Tetrahedron</i> , 2003, 59, 3753-3760.	1.9	286
2	Nanoindentation and nanoscratch investigations on graphene-based nanocomposites. <i>Polymer Testing</i> , 2013, 32, 45-51.	4.8	146
3	Waste-Free and Facile Solid-State Protection of Diamines, Anthranilic Acid, Diols, and Polyols with Phenylboronic Acid. <i>Chemistry - A European Journal</i> , 2003, 9, 4156-4161.	3.3	122
4	Electrospun PGA/gelatin nanofibrous scaffolds and their potential application in vascular tissue engineering. <i>International Journal of Nanomedicine</i> , 2011, 6, 2133.	6.7	121
5	Mechanochemical Solvent-Free and Catalyst-Free One-Pot Synthesis of Pyrano[2,3-d]Pyrimidine-2,4(1H,3H)-Diones with Quantitative Yields. <i>Molecules</i> , 2009, 14, 474-479.	3.8	91
6	An efficient, multicomponent approach for solvent-free synthesis of 2-amino-4H-chromene scaffold. <i>Molecular Diversity</i> , 2010, 14, 473-477.	3.9	89
7	Nanoindentation and nanoscratching responses of PEEK based hybrid composites reinforced with short carbon fibers and nano-silica. <i>Polymer Testing</i> , 2013, 32, 525-534.	4.8	84
8	Quantitative Reaction Cascades of Ninhydrin in the Solid State. <i>Chemistry - A European Journal</i> , 2002, 8, 594-600.	3.3	74
9	Sodium alginate: An efficient biopolymeric catalyst for green synthesis of 2-amino-4H-pyran derivatives. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 172-179.	7.5	70
10	Alginate-coated ZIF-8 metal-organic framework as a green and bioactive platform for controlled drug release. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 49, 570-576.	3.0	69
11	Stimuli-responsive graphene-incorporated multifunctional chitosan for drug delivery applications: a review. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 79-99.	5.0	69
12	Alginate acid: A mild and renewable bifunctional heterogeneous biopolymeric organocatalyst for efficient and facile synthesis of polyhydroquinolines. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 1273-1280.	7.5	66
13	Mechanically induced molecular migrations in molecular crystals. <i>CrystEngComm</i> , 2005, 7, 402.	2.6	64
14	Lithium perchlorate assisted one-pot three-component aminoalkylation of electron-rich aromatic compounds. <i>Tetrahedron Letters</i> , 2001, 42, 8111-8113.	1.4	58
15	Kneading Ball-Milling and Stoichiometric Melts for the Quantitative Derivatization of Carbonyl Compounds with Gas-Solid Recovery. <i>ChemSusChem</i> , 2009, 2, 248-254.	6.8	55
16	An expeditious synthesis of cyanohydrin trimethylsilyl ethers using tetraethylammonium 2-(carbamoyl)benzoate as a bifunctional organocatalyst. <i>Tetrahedron Letters</i> , 2009, 50, 4063-4066.	1.4	55
17	Morphology and medium influence on microwave characteristics of nanostructures: A review. <i>Journal of Materials Science</i> , 2021, 56, 17457-17477.	3.7	54
18	Ball milling for the quantitative and specific solvent-free Knoevenagel condensation + Michael addition cascade in the synthesis of various 2-amino-4-aryl-3-cyano-4 <i>H</i> -chromenes without heating. <i>RSC Advances</i> , 2014, 4, 48191-48201.	3.6	51

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19	Chitosan: An efficient biomacromolecule support for synergic catalyzing of Hantzsch esters by CuSO ₄ . International Journal of Biological Macromolecules, 2016, 93, 767-774.	7.5	50
20	Sodium Tetraalkoxyborates: Intermediates for the Quantitative Reduction of Aldehydes and Ketones to Alcohols through Ball Milling with NaBH ₄ . European Journal of Organic Chemistry, 2009, 2009, 3567-3572.	2.4	49
21	Nanomechanical and tribological behavior of hydroxyapatite reinforced ultrahigh molecular weight polyethylene nanocomposites for biomedical applications. Journal of Applied Polymer Science, 2015, 132, .	2.6	47
22	Nonisothermal crystallization behavior and mechanical properties of PEEK/SCF/nano-SiO ₂ composites. Materials Chemistry and Physics, 2014, 147, 942-953.	4.0	46
23	Ultra-high-molecular-weight polyethylene fiber reinforced dental composites: Effect of fiber surface treatment on mechanical properties of the composites. Dental Materials, 2015, 31, 1022-1029.	3.5	46
24	Wear behavior of DLC film on plasma nitrocarburized AISI 4140 steel by pulsed DC PACVD: Effect of nitrocarburizing temperature. Diamond and Related Materials, 2015, 52, 32-37.	3.9	44
25	Cu ₂ (BDC) ₂ (BPY) MOF: an efficient and reusable heterogeneous catalyst for the aerobic Chan-Lam coupling prepared via ball-milling strategy. RSC Advances, 2017, 7, 46022-46027.	3.6	43
26	Evaluation of chitosan-gelatin films for use as postoperative adhesion barrier in rat cecum model. International Journal of Surgery, 2013, 11, 1097-1102.	2.7	42
27	Solvent-Free Aminoalkylation of Phenols and Indoles Assisted by Microwave Irradiation. Monatshefte für Chemie, 2001, 132, 875-880.	1.8	40
28	Reactive milling with the Simoloyer®: environmentally benign quantitative reactions without solvents and wastes. Chemical Engineering Science, 2002, 57, 763-765.	3.8	38
29	A facile solvent-free one-pot three-component method for the synthesis of 2-amino-4H-pyrans and tetrahydro-4H-chromenes at ambient temperature. Monatshefte für Chemie, 2013, 144, 1219-1225.	1.8	38
30	Sustainable Synthesis of Aldehydes, Ketones or Acids from Neat Alcohols Using Nitrogen Dioxide Gas, and Related Reactions. ChemSusChem, 2009, 2, 83-88.	6.8	37
31	Cytotoxic and apoptotic effects of synthetic benzochromene derivatives on human cancer cell lines. Naunyn-Schmiedeberg's Archives of Pharmacology, 2014, 387, 1199-1208.	3.0	37
32	Mechanochemically synthesized nanoporous metal-organic framework Cu ₂ (BDC) ₂ (DABCO): An efficient heterogeneous catalyst for preparation of carbamates. Microporous and Mesoporous Materials, 2017, 244, 208-217.	4.4	37
33	Oxidation of benzyl alcohols to the corresponding carbonyl compounds catalyzed by copper (II) meso-tetra phenyl porphyrin as cytochrome P-450 model reaction. Inorganic Chemistry Communication, 2011, 14, 1561-1568.	3.9	36
34	Fabrication of copper(II)-coated magnetic core-shell nanoparticles Fe ₃ O ₄ @SiO ₂ -2-aminobenzohydrazide and investigation of its catalytic application in the synthesis of 1,2,3-triazole compounds. Scientific Reports, 2021, 11, 2073.	3.3	34
35	Preparation and Characterization of MWCNT/Zn _{0.25} Co _{0.75} Fe ₂ O ₄ Nanocomposite and Investigation of Its Microwave Absorption Properties at X-Band Frequency Using Silicone Rubber Polymeric Matrix. Journal of Electronic Materials, 2019, 48, 3086-3095.	2.2	33
36	Synthesis of nanocellulose aerogels and Cu-BTC/nanocellulose aerogel composites for adsorption of organic dyes and heavy metal ions. Scientific Reports, 2021, 11, 18553.	3.3	33

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37	Synthesis, Characterization, and Atenolol Delivery Application of Functionalized Mesoporous Hydroxyapatite Nanoparticles Prepared by Microwave-Assisted Co-precipitation Method. <i>Current Drug Delivery</i> , 2016, 13, 1123-1129.	1.6	33
38	Metal-free nanostructured catalysts: sustainable driving forces for organic transformations. <i>Green Chemistry</i> , 2021, 23, 6223-6272.	9.0	32
39	Nanoindentation and nanoscratch behaviors of DLC films growth on different thickness of Cr nanolayers. <i>Diamond and Related Materials</i> , 2016, 70, 76-82.	3.9	31
40	Green solvent-based sol-gel synthesis of monticellite nanoparticles: a rapid and efficient approach. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 84, 87-95.	2.4	30
41	Novel magnetic propylsulfonic acid-anchored isocyanurate-based periodic mesoporous organosilica (Iron oxide@PMO-ICS-PrSO ₃ H) as a highly efficient and reusable nanoreactor for the sustainable synthesis of imidazopyrimidine derivatives. <i>Scientific Reports</i> , 2020, 10, 10646.	3.3	30
42	Preparation and identification of modified La _{0.8} Sr _{0.2} FeO ₃ nanoparticles and study of its microwave properties using silicone rubber or PVC. <i>Materials Research Express</i> , 2019, 6, 075004.	1.6	29
43	Interphase evaluation and nano-mechanical responses of UHMWPE/SCF/nano-SiO ₂ hybrid composites. <i>Polymer Testing</i> , 2014, 38, 26-34.	4.8	28
44	A pH-sensitive nanocarrier based on BSA-stabilized graphene-chitosan nanocomposite for sustained and prolonged release of anticancer agents. <i>Scientific Reports</i> , 2021, 11, 17404.	3.3	28
45	Organocatalytic cyanosilylation of carbonyl compounds by tetrabutylammonium phthalimide-N-oxyl. <i>Catalysis Communications</i> , 2009, 10, 582-585.	3.3	27
46	Synthesis of cellulose-nanohydroxyapatite composite in 1-n-butyl-3-methylimidazolium chloride. <i>Ceramics International</i> , 2010, 36, 2375-2381.	4.8	27
47	One-step synthesis of Pd-NPs@Cu ₂ (BDC) ₂ DABCO as efficient heterogeneous catalyst for the Suzuki-Miyaura cross-coupling reaction. <i>Journal of Organometallic Chemistry</i> , 2017, 853, 35-41.	1.8	27
48	Mechanochemical solvent-free in situ synthesis of drug-loaded {Cu ₂ (1,4-bdc) ₂ (dabco)} _n MOFs for controlled drug delivery. <i>Journal of Solid State Chemistry</i> , 2018, 259, 35-42.	2.9	27
49	Superparamagnetic alginate-based nanocomposite modified by L-arginine: An eco-friendly bifunctional catalysts and an efficient antibacterial agent. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 834-845.	7.5	27
50	Nutshells' mechanical response: from nanoindentation and structure to bionics models. <i>Journal of Materials Chemistry</i> , 2011, 21, 8389.	6.7	26
51	A Novel and Inexpensive Method Based on Modified Ionic Gelation for pH-responsive Controlled Drug Release of Homogeneously Distributed Chitosan Nanoparticles with a High Encapsulation Efficiency. <i>Fibers and Polymers</i> , 2020, 21, 1917-1926.	2.1	26
52	Aminosilylation of aldehydes mediated by lithium perchlorate: novel method for synthesis of β -silylamines. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 3709-3711.	0.9	25
53	Ultrasound-promoted, rapid, green, one-pot synthesis of 2-aminobenzothiazolomethylnaphthols via a multi-component reaction, catalyzed by heteropolyacid in aqueous media. <i>Journal of Saudi Chemical Society</i> , 2014, 18, 502-506.	5.2	25
54	(Fe)MIL-100-Met@alginate: a hybrid polymer-MOF for enhancement of metformin's bioavailability and pH-controlled release. <i>New Journal of Chemistry</i> , 2018, 42, 11137-11146.	2.8	24

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55	Nanostructured monticellite for tissue engineering applications – Part II: Molecular and biological characteristics. <i>Ceramics International</i> , 2018, 44, 14704-14711.	4.8	24
56	pH-Sensitive magnetite mesoporous silica nanocomposites for controlled drug delivery and hyperthermia. <i>RSC Advances</i> , 2020, 10, 39008-39016.	3.6	24
57	Tensile and biocompatibility properties of synthesized nano-hydroxyapatite reinforced ultrahigh molecular weight polyethylene nanocomposite. <i>Journal of Composite Materials</i> , 2016, 50, 1725-1737.	2.4	23
58	Biocomposites based on hydroxyapatite matrix reinforced with nanostructured monticellite (CaMgSiO ₄) for biomedical application: Synthesis, characterization, and biological studies. <i>Materials Science and Engineering C</i> , 2019, 105, 109912.	7.3	23
59	Unidirectional cis-trans photoisomerization of cis-3,3'-bis(diphenylhydroxymethyl)stilbene in inclusion complex crystals. <i>Journal of Physical Organic Chemistry</i> , 2003, 16, 905-912.	1.9	22
60	Modified Glaser Reaction of Terminal Alkynes on KF/Alumina. <i>Monatshefte für Chemie</i> , 2006, 137, 213-217.	1.8	22
61	Potassium phthalimide-N-oxyl: An efficient catalyst for cyanosilylation of carbonyl compounds under mild conditions. <i>Journal of Molecular Catalysis A</i> , 2008, 283, 29-32.	4.8	22
62	Nanostructured monticellite for tissue engineering applications - Part I: Microstructural and physicochemical characteristics. <i>Ceramics International</i> , 2018, 44, 12731-12738.	4.8	22
63	Enhancing Mechanical Properties and Biological Performances of Injectable Bioactive Glass by Gelatin and Chitosan for Bone Small Defect Repair. <i>Biomedicines</i> , 2020, 8, 616.	3.2	22
64	LiClO ₄ -Induced Mannich Reaction – Diastereo- and Enantioselective Synthesis of β -Amino Ketones by Addition of Enamines, Imines or Silylenolethers to Aldehydes and Dialkyltrimethylsilylamines. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 197-200.	2.4	21
65	The exponent 3/2 at pyramidal nanoindentations. <i>Scanning</i> , 2010, 32, 265-281.	1.5	21
66	Penetration Resistance and Penetrability in Pyramidal (Nano)Indentations. <i>Scanning</i> , 2013, 35, 88-111.	1.5	20
67	Zn-MOF: an efficient drug delivery platform for the encapsulation and releasing of Imatinib Mesylate. <i>Journal of Porous Materials</i> , 2021, 28, 641-649.	2.6	20
68	Nanoscratching on surfaces: the relationships between lateral force, normal force and normal displacement. <i>International Journal of Materials Research</i> , 2004, 95, 297-305.	0.8	19
69	Tetrabutylammonium phthalimide-N-oxyl: An efficient organocatalyst for trimethylsilylation of alcohols and phenols with hexamethyldisilazane. <i>Journal of the Iranian Chemical Society</i> , 2011, 8, 537-544.	2.2	19
70	Non-isothermal melting and crystallization behavior of UHMWPE/SCF/nano-SiO ₂ hybrid composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 1319-1330.	3.6	19
71	Ultrasound-assisted Suzuki-Miyaura reaction catalyzed by Pd@Cu ₂ (NH ₂ -BDC) ₂ (DABCO). <i>Journal of Organometallic Chemistry</i> , 2018, 868, 36-46.	1.8	19
72	Suzuki-Miyaura coupling reaction in water in the presence of robust palladium immobilized on modified magnetic Fe ₃ O ₄ nanoparticles as a recoverable catalyst. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3993.	3.5	19

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73	Hydroxyapatite grafted chitosan/laponite RD hydrogel: Evaluation of the encapsulation capacity, pH-responsivity, and controlled release behavior. <i>International Journal of Biological Macromolecules</i> , 2021, 190, 351-359.	7.5	19
74	Quantitative evaluation of nanoindentations: Do we need more reliable mechanical parameters for the characterization of materials?. <i>International Journal of Materials Research</i> , 2005, 96, 1226-1236.	0.8	18
75	RSM base study of the effect of deposition temperature and hydrogen flow on the wear behavior of DLC films. <i>Tribology International</i> , 2015, 91, 23-31.	5.9	18
76	Optimization of pulsed DC PACVD parameters: Toward reducing wear rate of the DLC films. <i>Applied Surface Science</i> , 2016, 389, 521-531.	6.1	18
77	Magnetite mesoporous silica nanoparticles embedded in carboxybetaine methacrylate for application in hyperthermia and drug delivery. <i>New Journal of Chemistry</i> , 2020, 44, 8232-8240.	2.8	18
78	Discovery of Cephalosporin-3- β -Diazoniumdiolates That Show Dual Antibacterial and Antibiofilm Effects against <i>Pseudomonas aeruginosa</i> Clinical Cystic Fibrosis Isolates and Efficacy in a Murine Respiratory Infection Model. <i>ACS Infectious Diseases</i> , 2020, 6, 1460-1479.	3.8	18
79	Synthesis of cyanohydrin trimethylsilyl ethers catalyzed by potassium p-toluenesulfonate. <i>Catalysis Communications</i> , 2008, 9, 1352-1355.	3.3	17
80	One-Pot Multicomponent Synthesis of Substituted Pyrroles by using Chitosan as an Organocatalyst. <i>ChemistrySelect</i> , 2018, 3, 666-672.	1.5	17
81	High Removal Capacity of Arsenic from Drinking Water Using Modified Magnetic Polyurethane Foam Nanocomposites. <i>Journal of Polymers and the Environment</i> , 2019, 27, 1497-1504.	5.0	17
82	Synthesis of (E)-2-(1H-tetrazole-5-yl)-3-phenylacrylenitrile derivatives catalyzed by new ZnO nanoparticles embedded in a thermally stable magnetic periodic mesoporous organosilica under green conditions. <i>Scientific Reports</i> , 2022, 12, .	3.3	17
83	Organocatalytic synthesis of cyanohydrin trimethylsilyl ethers by potassium 4-benzylpiperidinedithiocarbamate under solvent-free conditions. <i>Applied Organometallic Chemistry</i> , 2010, 24, 229-235.	3.5	16
84	Carboxymethyl cellulose as a green and biodegradable catalyst for the solvent-free synthesis of benzimidazoloquinazolinone derivatives. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 182-187.	5.2	16
85	One-Pot Multicomponent Synthesis of Pyrano[2,3- <i>c</i>]pyrazole Derivatives Using CMCSO ₃ H as a Green Catalyst. <i>ChemistrySelect</i> , 2019, 4, 9033-9039.	1.5	16
86	Synthesis of 2-hydroxy-1,4-naphthoquinone derivatives via a three-component reaction catalyzed by nanoporous MCM-41. <i>Dyes and Pigments</i> , 2015, 122, 46-49.	3.7	15
87	Fabrication and Characterization of Polyphosphazene/Calcium Phosphate Scaffolds Containing Chitosan Microspheres for Sustained Release of Bone Morphogenetic Protein 2 in Bone Tissue Engineering. <i>Tissue Engineering and Regenerative Medicine</i> , 2017, 14, 525-538.	3.7	15
88	A molecular dynamic simulation study of anticancer agents and UiO-66 as a carrier in drug delivery systems. <i>Journal of Molecular Graphics and Modelling</i> , 2022, 113, 108147.	2.4	15
89	Influence of Hydroxyapatite Nano-particles on the Mechanical and Tribological Properties of Orthopedic Cement-Based Nano-composites Measured by Nano-indentation and Nano-scratch Experiments. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 3300-3306.	2.5	14
90	Preparation of 5-Substituted-1H-Tetrazoles Catalyzed by MOFs via Two Strategies: Direct Condensation of Aryl Nitriles with Sodium Azide, and Tri-Component Reaction Method. <i>ChemistrySelect</i> , 2018, 3, 8332-8337.	1.5	14

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91	Reinforced magnetic polyurethane rigid (PUR) foam nanocomposites and investigation of thermal, mechanical, and sound absorption properties. <i>Journal of Thermoplastic Composite Materials</i> , 2019, 32, 1224-1241.	4.2	14
92	Unusual architecture of the exceedingly tough <i>Macadamia</i> shell as revealed by atomic force microscopy and nanomechanics. <i>International Journal of Materials Research</i> , 2007, 98, 438-445.	0.3	13
93	Preparation of a superior intense, lightweight, affordable, broadband microwave-absorbing nanocomposite by PUF/PANi. <i>Materials Research Express</i> , 2019, 6, 0850e9.	1.6	13
94	Effect of Microstructure on the Mechanical Properties and Fracture Toughness of API X65 Pipeline Steel in the Presence of Hydrogen. <i>Metals and Materials International</i> , 2021, 27, 3918-3934.	3.4	13
95	Nanostructured monticellite: An emerging player in tissue engineering. <i>Materials Today: Proceedings</i> , 2018, 5, 15744-15753.	1.8	12
96	Effect of surfactant type on buckypaper electrochemical performance. <i>Micro and Nano Letters</i> , 2018, 13, 927-930.	1.3	12
97	Microwave Assisted Mannich Reaction of Terminal Alkynes on Alumina. <i>Monatshefte für Chemie</i> , 2002, 133, 199-204.	1.8	11
98	Mild and Solvent-Free Alkynylation of Ketones on the KF/Alumina. <i>Synthetic Communications</i> , 2005, 35, 1039-1044.	2.1	11
99	New Nanoindentation and Nanoscratching Parameters of Thermoplastics. <i>Macromolecular Symposia</i> , 2008, 274, 72-80.	0.7	11
100	A rapid, convenient and chemoselective synthesis of acylals from aldehydes catalyzed by reusable nano-ordered MCM-41-SO ₃ H. <i>Comptes Rendus Chimie</i> , 2012, 15, 1072-1076.	0.5	11
101	Novel toughened automotive clearcoats modified by a polyesteramide hyperbranched polymer: structural and mechanical aspects. <i>Polymers for Advanced Technologies</i> , 2013, 24, 495-502.	3.2	11
102	Mechanistic studies of heterophase protonation and deprotonation reactions of solid [CoIII(5-C ₅ H ₄ COOH)(5-C ₅ H ₄ COO)] using supermicroscopy. <i>CrystEngComm</i> , 2003, 5, 474-479.	2.6	10
103	Correlating the adhesion of an acrylic coating to the physico-mechanical behavior of a polypropylene substrate. <i>International Journal of Adhesion and Adhesives</i> , 2011, 31, 220-225.	2.9	10
104	Activity of M ₂ (BDC) ₂ (DABCO) (M= Co, Ni, Cu and Zn) Metal-Organic Frameworks Prepared via Ball-Milling Solvent-Free Method in Acylation of Alcohols, Amines and Aldehydes. <i>ChemistrySelect</i> , 2018, 3, 11223-11229.	1.5	10
105	Synthesis of nano-HA and the effects on the mechanical properties of HA/UHMWPE nanocomposites. <i>Advances in Materials and Processing Technologies</i> , 2016, 2, 209-219.	1.4	9
106	The effect of magnesium on bioactivity, rheology and biology behaviors of injectable bioactive glass-gelatin-3-glycidyoxypropyl trimethoxysilane nanocomposite-paste for small bone defects repair. <i>Ceramics International</i> , 2021, 47, 12526-12536.	4.8	9
107	Copper-doped functionalized β ² -cyclodextrin as an efficient green nanocatalyst for synthesis of 1,2,3-triazoles in water. <i>Scientific Reports</i> , 2022, 12, 4948.	3.3	9
108	Tribological properties of tertiary Al ₂ O ₃ /CNT/nanodiamond pulsed electrodeposited Ni-W nanocomposite. <i>Materials Science and Technology</i> , 2011, 27, 546-550.	1.6	8

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109	Highly efficient protection of alcohols as trityl ethers under solvent-free conditions, and recovery catalyzed by reusable nanoporous MCM-41-SO ₃ H. <i>Comptes Rendus Chimie</i> , 2014, 17, 994-1001.	0.5	8
110	Convenient synthesis of naphthopyrans using montmorillonite K-10 as heterogeneous catalyst. <i>Journal of Chemical Sciences</i> , 2014, 126, 1081-1089.	1.5	8
111	Design, synthesis and characterization of new trimethine oxonol dyes from 1,3-indandione and 2-substituted vinamidinium salts. <i>Dyes and Pigments</i> , 2019, 161, 438-447.	3.7	8
112	Insights into the interaction of azinphos-methyl with bovine serum albumin: experimental and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 11863-11873.	3.5	8
113	Solvent-Free preparation of Monoacylaminals Assisted by Microwave Irradiation. <i>Journal of Chemical Research</i> , 2000, 2000, 394-396.	1.3	7
114	A Facile Solvent-free One-pot Three-component Mannich Reaction of Aldehydes, Amines and Terminal Alkynes Catalysed by CuCl ₂ . <i>Journal of Chemical Research</i> , 2007, 2007, 129-132.	1.3	7
115	Influence of RGD grafting on biocompatibility of oxidized cellulose scaffold. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2013, 41, 421-427.	2.8	7
116	Rheology, injectability, and bioactivity of bioactive glass containing chitosan/gelatin, nano pastes. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49240.	2.6	7
117	Green synthesis of carbamates and amides via Cu@Sal-Cs catalyzed C=O and C=N oxidative coupling accelerated by microwave irradiation. <i>Scientific Reports</i> , 2021, 11, 18105.	3.3	7
118	Synthesis and biological activity profile of novel triazole/quinoline hybrids. <i>Chemical Biology and Drug Design</i> , 2022, , .	3.2	7
119	Synthesis and characterization of highly efficient and recoverable Cu@MCM-41-(2-hydroxy-3-propoxypropyl) metformin mesoporous catalyst and its uses in Ullmann type reactions. <i>Scientific Reports</i> , 2022, 12, 4949.	3.3	7
120	One-Pot Solvent-Free Preparation of 2-Phenyl-1,3-dicyldioxaborins on Acidic Alumina. <i>Synthetic Communications</i> , 2006, 36, 2711-2717.	2.1	6
121	[O _{mim}][BF ₄] Ionic Liquid, a Green and Recyclable Medium for One-pot Aminomethylation of Electron-rich Aromatic Compounds. <i>Journal of Chemical Research</i> , 2013, 37, 216-218.	1.3	6
122	Green and selective oxidation of alcohols by immobilized Pd onto triazole functionalized Fe ₃ O ₄ . <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	1.5	6
123	A straightforward, environmentally beneficial synthesis of spiro[diindeno[1,2-b:2',1'-e]pyridine-11,3'-indoline]-2,10,12-triones mediated by a nano-ordered reusable catalyst. <i>Scientific Reports</i> , 2021, 11, 4820.		6
124	Gaseous Nitrogen Dioxide for Sustainable Oxidative Deprotection of Trimethylsilyl Ethers. Phosphorus, Sulfur and Silicon and the Related Elements, 2012, 187, 142-148.	1.6	5
125	Enhancement of mechanical properties of experimental composite by Fuller's earth nanofibers for cervical restoration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 911-918.	3.4	5
126	Aqueous formic acid: an efficient, inexpensive and environmentally friendly catalyst for diastereoselective synthesis of β -amino carbonyl derivatives. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 599-604.	2.2	5

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127	Studying the Effect of Initiator Type and Concentration on the Setting Time of Acrylic Ester Anaerobic Adhesives. <i>Journal of Adhesion</i> , 2016, 92, 459-468.	3.0	5
128	Biological and nano-indentation properties of polybenzoxazine-based composites reinforced with zirconia particles as a novel biomaterial. <i>Bio-Medical Materials and Engineering</i> , 2018, 29, 369-387.	0.6	5
129	Poly(propylene fumarate)/magnesium calcium phosphate injectable bone composite: Effect of filler size and its weight fraction on mechanical properties. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2019, 233, 1165-1174.	1.8	5
130	Enhancing degradability, bioactivity, and osteocompatibility of poly (propylene fumarate) bone filler by incorporation of Mg-Ca-P nanoparticles. <i>Materials Science and Engineering C</i> , 2020, 114, 111038.	7.3	5
131	The influence of 3- β -glycidyloxypropyl trimethoxysilane on the rheological and <i>in vitro</i> behavior of injectable composites containing bioactive glass, chitosan, and gelatin. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50963.	2.6	5
132	Synthesis, structural/photophysical characterization and theoretical investigations with new β -pyridinium/quinolinium and β -bromine substituted bis(1,3-dimethylbarbituric acid) trimethine oxonol dyes that display large Stokes shifts. <i>Dyes and Pigments</i> , 2020, 172, 107758.	3.7	4
133	Unusual elastic behaviour of a wood-like material during bending, milling and nanoindentation. <i>Wood Material Science and Engineering</i> , 2011, 6, 140-146.	2.3	3
134	Preparation of Novel Magnetic Polyurethane Flexible Foam Nanocomposites. <i>Macromolecular Symposia</i> , 2017, 375, 1600151.	0.7	3
135	Green Fabrication of 2D Fe ₃ O ₄ /Mg(OH) ₂ and 2D Fe ₃ O ₄ /MgO Nanocomposites Using [OMIM]Br Ionic Liquid and Comparing Catalytic Activity with Green Metrics. <i>Polycyclic Aromatic Compounds</i> , 2019, , 1-20.	2.6	3
136	Nanoporous metal-organic framework Cu ₂ (BDC) ₂ (DABCO) as an efficient heterogeneous catalyst for one-pot facile synthesis of 1,2,3-triazole derivatives in ethanol and evaluating antimicrobial activity of the novel derivatives. <i>Scientia Iranica</i> , 2018, .	0.4	3
137	Quantitative evaluation of nanoindents: Do we need more reliable mechanical parameters for the characterization of materials?. <i>International Journal of Materials Research</i> , 2022, 96, 1226-1236.	0.3	3
138	Synthesis of ionic liquids with multifunctional tribological properties as excellent single-component package additives for turbine oils. <i>Lubrication Science</i> , 2019, 31, 311-320.	2.1	2
139	Hydrazone analogues with promising antibacterial profiles: Synthesis, morphology, <i>in vitro</i> and <i>in silico</i> approaches. <i>Letters in Applied Microbiology</i> , 2022, , .	2.2	2
140	A Novel and Efficient Isocyanide-Catalyzed Addition Reaction of Enaminones to Isatin Derivatives for Oxindoles Synthesis. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 1157-1168.	2.6	1
141	I ₂ /TBHP promoted isocyanide insertion cyclization reaction for the synthesis of quinazolin fused benzoimidazole as a selective methanol detection probe. <i>Catalysis Communications</i> , 2021, 157, 106331.	3.3	1
142	Chemoselective Protection of hydroxyl and amine functional groups catalysed by MOFs. , 0, , .		1
143	Copper-Catalyzed Oxidative Homo-coupling of Terminal Acetylenes on Alumina Assisted by Microwave Irradiation.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
144	Solvent-Free Knoevenagel Condensations and Michael Additions in the Solid State and in the Melt with Quantitative Yield.. <i>ChemInform</i> , 2003, 34, no.	0.0	0

#	ARTICLE	IF	CITATIONS
145	Waste-Free and Facile Solid-State Protection of Diamines, Anthranilic Acid, Diols, and Polyols with Phenylboronic Acid.. ChemInform, 2003, 34, no.	0.0	0
146	A simple, convenient three component one-pot procedure for the synthesis of benzimidazo-quinazolinone derivatives in the presence Silica-based sulfonic acid (MCM-41-SO ₃ H): a efficient and practical catalyst		0
147	Straightforward and efficient synthesis of triazole derivatives catalyzed by [Cu ₂ (BDC) ₂ (DABCO)] in water.. , 0, , .		0
148	Cu ₂ (BDC) ₂ (BPY) as excellent catalyst in synthesis of Pyrazine derivatives. , 0, , .		0
149	Synthesis of triazoloquinazolinone derivatives employing Silica-based sulfonic acid (MCM- 41-SO ₃ H): A mild, reusable and highly efficient heterogeneous catalyst. , 0, , .		0
150	CMC Catalyzed Multicomponent Mannich Reaction for Synthesis of Lawsone Family Pigments. , 0, , .		0