Mohammad R Naimi-Jamal

List of Publications by Year
in descending order

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	A Novel and Efficient Isocyanide-Catalyzed Addition Reaction of Enaminones to Isatin Derivatives for Oxindoles Synthesis. Polycyclic Aromatic Compounds, 2022, 42, 1157-1168.	2.6	1
2	Insights into the interaction of azinphos-methyl with bovine serum albumin: experimental and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 11863-11873.	3.5	8
3	Quantitative evaluation of nanoindents: Do we need more reliable mechanical parameters for the characterization of materials?. International Journal of Materials Research, 2022, 96, 1226-1236.	0.3	3
4	Synthesis and biological activity profile of novel triazole/quinoline hybrids. Chemical Biology and Drug Design, 2022, , .	3.2	7
5	Hydrazone analogues with promising antibacterial profiles: Synthesis, morphology, in vitro and in silico approaches. Letters in Applied Microbiology, 2022, , .	2.2	2
6	A molecular dynamic simulation study of anticancer agents and UiO-66 as a carrier in drug delivery systems. Journal of Molecular Graphics and Modelling, 2022, 113, 108147.	2.4	15
7	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. Scientific Reports, 2022, 12, 4949.	3.3	7
8	Copper-doped functionalized Î²-cyclodextrin as an efficient green nanocatalyst for synthesis of 1,2,3-triazoles in water. Scientific Reports, 2022, 12, 4948.	3.3	9
9	Synthesis of (E)-2-(1H-tetrazole-5-yl)-3-phenylacrylenenitrile derivatives catalyzed by new ZnO nanoparticles embedded in a thermally stable magnetic periodic mesoporous organosilica under green conditions. Scientific Reports, 2022, 12, .	3.3	17
10	Effect of Microstructure on the Mechanical Properties and Fracture Toughness of API X65 Pipeline Steel in the Presence of Hydrogen. Metals and Materials International, 2021, 27, 3918-3934.	3.4	13
11	Zn-MOF: an efficient drug delivery platform for the encapsulation and releasing of Imatinib Mesylate. Journal of Porous Materials, 2021, 28, 641-649.	2.6	20
12	Metal-free nanostructured catalysts: sustainable driving forces for organic transformations. Green Chemistry, 2021, 23, 6223-6272.	9.0	32
13	Fabrication of copper(II)-coated magnetic core-shell nanoparticles Fe3O4@SiO2-2-aminobenzohydrazide and investigation of its catalytic application in the synthesis of 1,2,3-triazole compounds. Scientific Reports, 2021, 11, 2073.	3.3	34
14	A straightforward, environmentally beneficial synthesis of spiro[diindeno[1,2-b:2â€²,1â€²-e]pyridine-11,3â€²-indoline]-2â€²,10,12-triones mediated by a nano-ordered reusable catalyst. Scientific Reports, 2021, 11, 4820.	3.3	6
15	The effect of magnesium on bioactivity, rheology and biology behaviors of injectable bioactive glass-gelatin-3-glycidyloxypropyl trimethoxysilane nanocomposite-paste for small bone defects repair. Ceramics International, 2021, 47, 12526-12536.	4.8	9
16	The influence of 3â€glycidyloxypropyl trimethoxysilane on the rheological and inâ€vitro behavior of injectable composites containing<scp>64S</scp>bioactive glass, chitosan, and gelatin. Journal of Applied Polymer Science, 2021, 138, 50963.	2.6	5
17	A pH-sensitive nanocarrier based on BSA-stabilized graphene-chitosan nanocomposite for sustained and prolonged release of anticancer agents. Scientific Reports, 2021, 11, 17404.	3.3	28
18	Morphology and medium influence on microwave characteristics of nanostructures: A review. Journal of Materials Science, 2021, 56, 17457-17477.	3.7	54

#	Article	IF	Citations
19	Green synthesis of carbamates and amides via Cu@Sal-Cs catalyzed Câ€“O and Câ€“N oxidative coupling accelerated by microwave irradiation. Scientific Reports, 2021, 11, 18105.	3.3	7
20	I2/TBHP promoted isocyanide insertion cyclization reaction for the synthesis of quinazolin fused benzoimidazole as a selective methanol detection probe. Catalysis Communications, 2021, 157, 106331.	3.3	1
21	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
22	Hydroxyapatite grafted chitosan/laponite RD hydrogel: Evaluation of the encapsulation capacity, pH-responsivity, and controlled release behavior. International Journal of Biological Macromolecules, 2021, 190, 351-359.	7.5	19
23	Synthesis, structural/photophysical characterization and theoretical investigations with new Î²-pyridinium/quinolinium and Î²-bromine substituted bis(1,3-dimethylbarbituric acid) trimethine oxonol dyes that display large Stokes shifts. Dyes and Pigments, 2020, 172, 107758.	3.7	4
24	pH-Sensitive magnetite mesoporous silica nanocomposites for controlled drug delivery and hyperthermia. RSC Advances, 2020, 10, 39008-39016.	3.6	24
25	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. Fibers and Polymers, 2020, 21, 1917-1926.	2.1	26
26	Enhancing Mechanical Properties and Biological Performances of Injectable Bioactive Glass by Gelatin and Chitosan for Bone Small Defect Repair. Biomedicines, 2020, 8, 616.	3.2	22
27	Enhancing degradability, bioactivity, and osteocompatibility of poly (propylene fumarate) bone filler by incorporation of Mg-Ca-P nanoparticles. Materials Science and Engineering C, 2020, 114, 111038.	7.3	5
28	Rheology, injectability, and bioactivity of bioactive glass containing chitosan/gelatin, nano pastes. Journal of Applied Polymer Science, 2020, 137, 49240.	2.6	7
29	Novel magnetic propylsulfonic acid-anchored isocyanurate-based periodic mesoporous organosilica (Iron oxide@PMO-ICS-PrSO3H) as a highly efficient and reusable nanoreactor for the sustainable synthesis of imidazopyrimidine derivatives. Scientific Reports, 2020, 10, 10646.	3.3	30
30	Superparamagnetic alginate-based nanocomposite modified by L-arginine: An eco-friendly bifunctional catalysts and an efficient antibacterial agent. International Journal of Biological Macromolecules, 2020, 152, 834-845.	7.5	27
31	Magnetite mesoporous silica nanoparticles embedded in carboxybetaine methacrylate for application in hyperthermia and drug delivery. New Journal of Chemistry, 2020, 44, 8232-8240.	2.8	18
32	Discovery of Cephalosporin-3â€²-Diazeniumdiolates That Show Dual Antibacterial and Antibiofilm Effects against Pseudomonas aeruginosa Clinical Cystic Fibrosis Isolates and Efficacy in a Murine Respiratory Infection Model. ACS Infectious Diseases, 2020, 6, 1460-1479.	3.8	18
33	Carboxymethyl cellulose as a green and biodegradable catalyst for the solvent-free synthesis of benzimidazoloquinazolinone derivatives. Journal of Saudi Chemical Society, 2019, 23, 182-187.	5.2	16
34	Synthesis of ionic liquids with multifunctional tribological properties as excellent singleâ€component package additives for turbine oils. Lubrication Science, 2019, 31, 311-320.	2.1	2
35	Oneâ€Pot Multicomponent Synthesis of Pyrano[2,3â€‰c]pyrazole Derivatives Using CMCSO₃H as a Green Catalyst. ChemistrySelect, 2019, 4, 9033-9039.	1.5	16
36	Biocomposites based on hydroxyapatite matrix reinforced with nanostructured monticellite (CaMgSiO4) for biomedical application: Synthesis, characterization, and biological studies. Materials Science and Engineering C, 2019, 105, 109912.	7.3	23

#	Article	IF	Citations
37	Poly(propylene fumarate)/magnesium calcium phosphate injectable bone composite: Effect of filler size and its weight fraction on mechanical properties. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2019, 233, 1165-1174.	1.8	5
38	Green Fabrication of 2D Fe3O4/Mg(OH)2 and 2D Fe3O4/MgO Nanocomposites Using [OMIM]Br Ionic Liquid and Comparing Catalytic Activity with Green Metrics. Polycyclic Aromatic Compounds, 2019, , 1-20.	2.6	3
39	Preparation of a superior intense, lightweight, affordable, broadband microwave-absorbing nanocomposite by PUF/PANi. Materials Research Express, 2019, 6, 0850e9.	1.6	13
40	High Removal Capacity of Arsenic from Drinking Water Using Modified Magnetic Polyurethane Foam Nanocomposites. Journal of Polymers and the Environment, 2019, 27, 1497-1504.	5.0	17
41	Preparation and identification of modified La_{0.8}Sr_{0.2}FeO₃ nanoparticles and study of its microwave properties using silicone rubber or PVC. Materials Research Express, 2019, 6, 075004.	1.6	29
42	Preparation and Characterization of MWCNT/Zn0.25Co0.75Fe2O4 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
43	Reinforced magnetic polyurethane rigid (PUR) foam nanocomposites and investigation of thermal, mechanical, and sound absorption properties. Journal of Thermoplastic Composite Materials, 2019, 32, 1224-1241.	4.2	14
44	Alginate-coated ZIF-8 metal-organic framework as a green and bioactive platform for controlled drug release. Journal of Drug Delivery Science and Technology, 2019, 49, 570-576.	3.0	69
45	Stimuli-responsive graphene-incorporated multifunctional chitosan for drug delivery applications: a review. Expert Opinion on Drug Delivery, 2019, 16, 79-99.	5.0	69
46	Design, synthesis and characterization of new trimethine oxonol dyes from 1,3-indandione and 2-substituted vinamidinium salts. Dyes and Pigments, 2019, 161, 438-447.	3.7	8
47	Biological and nano-indentation properties of polybenzoxazine-based composites reinforced with zirconia particles as a novel biomaterial. Bio-Medical Materials and Engineering, 2018, 29, 369-387.	0.6	5
48	Nanostructured monticellite for tissue engineering applications - Part I: Microstructural and physicochemical characteristics. Ceramics International, 2018, 44, 12731-12738.	4.8	22
49	Oneâ€Pot Multicomponent Synthesis of Substituted Pyrroles by using Chitosan as an Organocatalyst. ChemistrySelect, 2018, 3, 666-672.	1.5	17
50	Mechanochemical solvent-free in situ synthesis of drug-loaded {Cu2(1,4-bdc)2(dabco)}n MOFs for controlled drug delivery. Journal of Solid State Chemistry, 2018, 259, 35-42.	2.9	27
51	Ultrasound-assisted Suzuki-Miyaura reaction catalyzed by Pd@Cu2(NH2-BDC)2(DABCO). Journal of Organometallic Chemistry, 2018, 868, 36-46.	1.8	19
52	Suzukiâ€“Miyaura coupling reaction in water in the presence of robust palladium immobilized on modified magnetic Fe₃O₄ nanoparticles as a recoverable catalyst. Applied Organometallic Chemistry, 2018, 32, e3993.	3.5	19
53	Alginic acid: A mild and renewable bifunctional heterogeneous biopolymeric organocatalyst for efficient and facile synthesis of polyhydroquinolines. International Journal of Biological Macromolecules, 2018, 108, 1273-1280.	7.5	66
54	Nanostructured monticellite: An emerging player in tissue engineering. Materials Today: Proceedings, 2018, 5, 15744-15753.	1.8	12

#	Article	IF	Citations
55	Effect of surfactant type on buckypaper electrochemical performance. Micro and Nano Letters, 2018, 13, 927-930.	1.3	12
56	Green and selective oxidation of alcohols by immobilized Pd onto triazole functionalized $$hbox {Fe}_{3}hbox {O}_{4}$$ Fe 3 O 4. Journal of Chemical Sciences, 2018, 130, 1.	1.5	6
57	Activity of M₂(BDC)₂(DABCO) (M= Co, Ni, Cu and Zn) Metalâ€Organic Frameworks Prepared via Ballâ€Milling Solventâ€Free Method in Acylation of Alcohols, Amines and Aldehydes. ChemistrySelect, 2018, 3, 11223-11229.	1.5	10
58	(Fe)MIL-100-Met@alginate: a hybrid polymerâ€“MOF for enhancement of metformin's bioavailability and pH-controlled release. New Journal of Chemistry, 2018, 42, 11137-11146.	2.8	24
59	Nanostructured monticellite for tissue engineering applications â€“ Part II: Molecular and biological characteristics. Ceramics International, 2018, 44, 14704-14711.	4.8	24
60	Preparation of 5â€Substitutedâ€1Hâ€Tetrazoles Catalyzed by MOFs via Two Strategies: Direct Condensation of Aryl Nitriles with Sodium Azide, and Triâ€Component Reaction Method. ChemistrySelect, 2018, 3, 8332-8337.	1.5	14
61	Nanoporous metal-organic framework Cu2(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. Scientia Iranica, 2018, .	0.4	3
62	Fabrication and Characterization of Polyphosphazene/Calcium Phosphate Scaffolds Containing Chitosan Microspheres for Sustained Release of Bone Morphogenetic Protein 2 in Bone Tissue Engineering. Tissue Engineering and Regenerative Medicine, 2017, 14, 525-538.	3.7	15
63	Preparation of Novel Magnetic Polyurethane Flexible Foam Nanocomposites. Macromolecular Symposia, 2017, 375, 1600151.	0.7	3
64	Cu₂(BDC)₂(BPY)â€“MOF: an efficient and reusable heterogeneous catalyst for the aerobic Chanâ€“Lam coupling prepared via ball-milling strategy. RSC Advances, 2017, 7, 46022-46027.	3.6	43
65	One-step synthesis of Pd-NPs@Cu2(BDC)2DABCO as efficient heterogeneous catalyst for the Suzukiâ€“Miyaura cross-coupling reaction. Journal of Organometallic Chemistry, 2017, 853, 35-41.	1.8	27
66	Green solvent-based solâ€“gel synthesis of monticellite nanoparticles: a rapid and efficient approach. Journal of Sol-Gel Science and Technology, 2017, 84, 87-95.	2.4	30
67	Mechanochemically synthesized nanoporous metal-organic framework Cu2(BDC)2(DABCO): An efficient heterogeneous catalyst for preparation of carbamates. Microporous and Mesoporous Materials, 2017, 244, 208-217.	4.4	37
68	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
69	Optimization of pulsed DC PACVD parameters: Toward reducing wear rate of the DLC films. Applied Surface Science, 2016, 389, 521-531.	6.1	18
70	Nanoindentation and nanoscratch behaviors of DLC films growth on different thickness of Cr nanolayers. Diamond and Related Materials, 2016, 70, 76-82.	3.9	31
71	Synthesis of nano-HA and the effects on the mechanical properties of HA/UHMWPE nanocomposites. Advances in Materials and Processing Technologies, 2016, 2, 209-219.	1.4	9
72	Studying the Effect of Initiator Type and Concentration on the Setting Time of Acrylic Ester Anaerobic Adhesives. Journal of Adhesion, 2016, 92, 459-468.	3.0	5

#	Article	IF	Citations
73	Sodium alginate: An efficient biopolymeric catalyst for green synthesis of 2-amino-4H-pyran derivatives. International Journal of Biological Macromolecules, 2016, 87, 172-179.	7.5	70
74	Tensile and biocompatibility properties of synthesized nano-hydroxyapatite reinforced ultrahigh molecular weight polyethylene nanocomposite. Journal of Composite Materials, 2016, 50, 1725-1737.	2.4	23
75	Synthesis, Characterization, and Atenolol Delivery Application of Functionalized Mesoporous Hydroxyapatite Nanoparticles Prepared by Microwave-Assisted Co-precipitation Method. Current Drug Delivery, 2016, 13, 1123-1129.	1.6	33
76	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
77	Synthesis of 2-hydroxy-1,4-naphthoquinone derivatives via a three-component reaction catalyzed by nanoporous MCM-41. Dyes and Pigments, 2015, 122, 46-49.	3.7	15
78	Influence of Hydroxyapatite Nano-particles on the Mechanical and Tribological Properties of Orthopedic Cement-Based Nano-composites MeasuredÂby Nano-indentation and Nano-scratch Experiments. Journal of Materials Engineering and Performance, 2015, 24, 3300-3306.	2.5	14
79	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
80	RSM base study of the effect of deposition temperature and hydrogen flow on the wear behavior of DLC films. Tribology International, 2015, 91, 23-31.	5.9	18
81	Non-isothermal melting and crystallization behavior of UHMWPE/SCF/nano-SiO2 hybrid composites. Journal of Thermal Analysis and Calorimetry, 2015, 122, 1319-1330.	3.6	19
82	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
83	Aqueous formic acid: an efficient, inexpensive and environmentally friendly catalyst for diastereoselective synthesis of Î²-amino carbonyl derivatives. Journal of the Iranian Chemical Society, 2015, 12, 599-604.	2.2	5
84	Highly efficient protection of alcohols as trityl ethers under solvent-free conditions, and recovery catalyzed by reusable nanoporous MCM-41-SO3H. Comptes Rendus Chimie, 2014, 17, 994-1001.	0.5	8
85	Nonisothermal crystallization behavior and mechanical properties of PEEK/SCF/nano-SiO2 composites. Materials Chemistry and Physics, 2014, 147, 942-953.	4.0	46
86	Convenient synthesis of naphthopyrans using montmorillonite K-10 as heterogeneous catalyst. Journal of Chemical Sciences, 2014, 126, 1081-1089.	1.5	8
87	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
88	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-4H-chromenes without heating. RSC Advances, 2014, 4, 48191-48201.	3.6	51
89	Interphase evaluation and nano-mechanical responses of UHMWPE/SCF/nano-SiO2 hybrid composites. Polymer Testing, 2014, 38, 26-34.	4.8	28
90	Ultrasound-promoted, rapid, green, one-pot synthesis of 2â€²-aminobenzothiazolomethylnaphthols via a multi-component reaction, catalyzed by heteropolyacid in aqueous media. Journal of Saudi Chemical Society, 2014, 18, 502-506.	5.2	25

#	Article	IF	Citations
91	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 FÃ¼r Chemie, 2013, 144, 1219-1225.	1.8	38
92	Influence of RGD grafting on biocompatibility of oxidized cellulose scaffold. Artificial Cells, Nanomedicine and Biotechnology, 2013, 41, 421-427.	2.8	7
93	Evaluation of chitosanâ€“gelatin films for use as postoperative adhesion barrier in rat cecum model. International Journal of Surgery, 2013, 11, 1097-1102.	2.7	42
94	Nanoindentation and nanoscratching responses of PEEK based hybrid composites reinforced with short carbon fibers and nano-silica. Polymer Testing, 2013, 32, 525-534.	4.8	84
95	Novel toughened automotive clearcoats modified by a polyesterâ€amide hyperbranched polymer: structural and mechanical aspects. Polymers for Advanced Technologies, 2013, 24, 495-502.	3.2	11
96	Nanoindentation and nanoscratch investigations on graphene-based nanocomposites. Polymer Testing, 2013, 32, 45-51.	4.8	146
97	Penetration Resistance and Penetrability in Pyramidal (Nano)Indentations. Scanning, 2013, 35, 88-111.	1.5	20
98	[Omim][BF₄] Ionic Liquid, a Green and Recyclable Medium for One-pot Aminomethylation of Electron-rich Aromatic Compounds. Journal of Chemical Research, 2013, 37, 216-218.	1.3	6
99	Enhancement of mechanical properties of experimental composite by Fuller's earth nanofibers for cervical restoration. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 911-918.	3.4	5
100	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
101	A rapid, convenient and chemoselective synthesis of acylals from aldehydes catalyzed by reusable nano-ordered MCM-41-SO3H. Comptes Rendus Chimie, 2012, 15, 1072-1076.	0.5	11
102	Tribological properties of tertiary Al₂O₃/CNT/nanodiamond pulsed electrodeposited Niâ€“W nanocomposite. Materials Science and Technology, 2011, 27, 546-550.	1.6	8
103	Tetrabutylammonium phthalimide-N-oxyl: An efficient organocatalyst for trimethylsilylation of alcohols and phenols with hexamethyldisilazane. Journal of the Iranian Chemical Society, 2011, 8, 537-544.	2.2	19
104	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
105	Nutshells' mechanical response: from nanoindentation and structure to bionics models. Journal of Materials Chemistry, 2011, 21, 8389.	6.7	26
106	Electrospun PGA/gelatin nanofibrous scaffolds and their potential application in vascular tissue engineering. International Journal of Nanomedicine, 2011, 6, 2133.	6.7	121
107	Correlating the adhesion of an acrylic coating to the physico-mechanical behavior of a polypropylene substrate. International Journal of Adhesion and Adhesives, 2011, 31, 220-225.	2.9	10
108	Unusual elastic behaviour of a wood-like material during bending, milling and nanoindentation. Wood Material Science and Engineering, 2011, 6, 140-146.	2.3	3

#	Article	IF	Citations
109	An efficient, multicomponent approach for solvent-free synthesis of 2-amino-4H-chromene scaffold. Molecular Diversity, 2010, 14, 473-477.	3.9	89
110	Organocatalytic synthesis of cyanohydrin trimethylsilyl ethers by potassium 4â€benzylpiperidinedithiocarbamate under solventâ€free conditions. Applied Organometallic Chemistry, 2010, 24, 229-235.	3.5	16
111	Synthesis of celluloseâ€“nanohydroxyapatite composite in 1-n-butyl-3-methylimidazolium chloride. Ceramics International, 2010, 36, 2375-2381.	4.8	27
112	The exponent 3/2 at pyramidal nanoindentations. Scanning, 2010, 32, 265-281.	1.5	21
113	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
114	Kneading Ballâ€Milling and Stoichiometric Melts for the Quantitative Derivatization of Carbonyl Compounds with Gasâ€“Solid Recovery. ChemSusChem, 2009, 2, 248-254.	6.8	55
115	Sodium Tetraalkoxyborates: Intermediates for the Quantitative Reduction of Aldehydes and Ketones to Alcohols through Ball Milling with NaBH₄. European Journal of Organic Chemistry, 2009, 2009, 3567-3572.	2.4	49
116	An expeditious synthesis of cyanohydrin trimethylsilyl ethers using tetraethylammonium 2-(carbamoyl)benzoate as a bifunctional organocatalyst. Tetrahedron Letters, 2009, 50, 4063-4066.	1.4	55
117	Mechanochemical Solvent-Free and Catalyst-Free One-Pot Synthesis of Pyrano[2,3-d]Pyrimidine-2,4(1H,3H)-Diones with Quantitative Yields. Molecules, 2009, 14, 474-479.	3.8	91
118	Organocatalytic cyanosilylation of carbonyl compounds by tetrabutylammonium phthalimide-N-oxyl. Catalysis Communications, 2009, 10, 582-585.	3.3	27
119	Potassium phthalimide-N-oxyl: An efficient catalyst for cyanosilylation of carbonyl compounds under mild conditions. Journal of Molecular Catalysis A, 2008, 283, 29-32.	4.8	22
120	Synthesis of cyanohydrin trimethylsilyl ethers catalyzed by potassium p-toluenesulfinate. Catalysis Communications, 2008, 9, 1352-1355.	3.3	17
121	New Nanoindentation and Nanoscratching Parameters of Thermoplastics. Macromolecular Symposia, 2008, 274, 72-80.	0.7	11
122	A Facile Solvent-free One-pot Three-component Mannich Reaction of Aldehydes, Amines and Terminal Alkynes Catalysed by CuCl2. Journal of Chemical Research, 2007, 2007, 129-132.	1.3	7
123	Unusual architecture of the exceedingly tough Macadamia â€œnutâ€•shell as revealed by atomic force microscopy and nanomechanics. International Journal of Materials Research, 2007, 98, 438-445.	0.3	13
124	Modified Glaser Reaction of Terminal Alkynes on KF/Alumina. Monatshefte FÃ¼r Chemie, 2006, 137, 213-217.	1.8	22
125	Oneâ€Pot Solventâ€Free Preparation of 2â€Phenylâ€1,3,2â€aryldioxaborins on Acidic Alumina. Synthetic Communications, 2006, 36, 2711-2717.	2.1	6
126	Quantitative evaluation of nanoindents: Do we need more reliable mechanical parameters for the characterization of materials?. International Journal of Materials Research, 2005, 96, 1226-1236.	0.8	18

#	Article	IF	Citations
127	Mild and Solventâ€Free Alkynylation of Ketones on the KF/Alumina. Synthetic Communications, 2005, 35, 1039-1044.	2.1	11
128	Mechanically induced molecular migrations in molecular crystals. CrystEngComm, 2005, 7, 402.	2.6	64
129	Nanoscratching on surfaces: the relationships between lateral force, normal force and normal displacement. International Journal of Materials Research, 2004, 95, 297-305.	0.8	19
130	Copper-Catalyzed Oxidative Homo-coupling of Terminal Acetylenes on Alumina Assisted by Microwave Irradiation.. ChemInform, 2003, 34, no.	0.0	0
131	Solvent-Free Knoevenagel Condensations and Michael Additions in the Solid State and in the Melt with Quantitative Yield.. ChemInform, 2003, 34, no.	0.0	0
132	Waste-Free and Facile Solid-State Protection of Diamines, Anthranilic Acid, Diols, and Polyols with Phenylboronic Acid.. ChemInform, 2003, 34, no.	0.0	0
133	Waste-Free and Facile Solid-State Protection of Diamines, Anthranilic Acid, Diols, and Polyols with Phenylboronic Acid. Chemistry - A European Journal, 2003, 9, 4156-4161.	3.3	122
134	Solvent-free Knoevenagel condensations and Michael additions in the solid state and in the melt with quantitative yield. Tetrahedron, 2003, 59, 3753-3760.	1.9	286
135	Unidirectionalcis-trans photoisomerization ofcis-3,3?-bis(diphenylhydroxymethyl)stilbene in inclusion complex crystals. Journal of Physical Organic Chemistry, 2003, 16, 905-912.	1.9	22
136	Mechanistic studies of heterophase protonation and deprotonation reactions of solid [CoIII(Î·5â€“C5H4COOH)(Î·5â€“C5H4COO)] using supermicroscopy. CrystEngComm, 2003, 5, 474-479.	2.6	10
137	Quantitative Reaction Cascades of Ninhydrin in the Solid State. Chemistry - A European Journal, 2002, 8, 594-600.	3.3	74
138	Microwave Assisted Mannich Reaction of Terminal Alkynes on Alumina. Monatshefte FÃ¼r Chemie, 2002, 133, 199-204.	1.8	11
139	Reactive milling with the SimoloyerÂ®: environmentally benign quantitative reactions without solvents and wastes. Chemical Engineering Science, 2002, 57, 763-765.	3.8	38
140	Solvent-Free Aminoalkylation of Phenols and Indoles Assisted by Microwave Irradiation. Monatshefte FÃ¼r Chemie, 2001, 132, 875-880.	1.8	40
141	Lithium perchlorate assisted one-pot three-component aminoalkylation of electron-rich aromatic compounds. Tetrahedron Letters, 2001, 42, 8111-8113.	1.4	58
142	Solvent-Free preparation of Monoacylaminals Assisted by Microwave Irradiation. Journal of Chemical Research, 2000, 2000, 394-396.	1.3	7
143	Aminosilylation of aldehydes mediated by lithium perchlorate: novel method for synthesis of Î±-silylamines. Journal of the Chemical Society Perkin Transactions 1, 1999, , 3709-3711.	0.9	25
144	LiClO4-Induced Mannich Reaction â^' Diastereo- and Enantioselective Synthesis of Î²-Amino Ketones by Addition of Enamines, Imines or Silylenolethers to Aldehydes and Dialkyltrimethylsilylamines. European Journal of Organic Chemistry, 1998, 1998, 197-200.	2.4	21

#	Article	IF	Citations
145	A simple, convenient three component one-pot procedure for the synthesis of benzimidazolo-quinazolinone derivatives in the presence Silica-based sulfonic acid (MCM-41-SO3H): a efficient and practical catalyst . , 0, , .		0
146	Straightforward and efficient synthesis of triazole derivatives catalyzed by [Cu₂ (BDC)₂ (DABCO)] in water.. , 0, , .		0
147	Cu₂(BDC)₂(BPY) as excellent catalyst in synthesis of Pyrazine derivatives. , 0, , .		0
148	Synthesis of triazoloquinazolinone derivatives employing Silica-based sulfonic acid (MCM- 41-SO3H): A mild, reusable and highly efficient heterogeneous catalyst. , 0, , .		0
149	Chemoselective Protection of hydroxyl and amine functional groups catalysed by MOFs. , 0, , .		1
150	CMC Catalyzed Multicomponent Mannich Reaction for Synthesis of Lawsone Family Pigments. , 0, , .		0