

Babak Karimi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187
papers

8,168
citations

53
h-index

80
g-index

263
ext. papers

8,754
ext. citations

4.5
avg, IF

6.56
L-index

#	Paper	IF	Citations
187	Periodic mesoporous organosilicas (PMOs): From synthesis strategies to applications. <i>Progress in Materials Science</i> , 2021 , 125, 100896	42.2	5
186	Synergistic catalysis within core-shell FeO@SiO functionalized with triethylene glycol (TEG)-imidazolium ionic liquid and tetramethylpiperidine N-oxyl (TEMPO) boosting selective aerobic oxidation of alcohols. <i>Journal of Colloid and Interface Science</i> , 2021 , 589, 474-485	9.3	9
185	Heteroatom-doped carbon materials derived from ionic liquids for catalytic applications 2021 , 33-72		
184	Aerobic oxidation and oxidative esterification of alcohols through cooperative catalysis under metal-free conditions. <i>Chemical Communications</i> , 2021 , 57, 8897-8900	5.8	1
183	Plugged bifunctional periodic mesoporous organosilica as a high-performance solid phase microextraction coating for improving extraction efficiency of chlorophenols in different matrices. <i>Talanta</i> , 2021 , 235, 122724	6.2	0
182	Aerobic Oxidation of Alcohols Catalyzed by Generated Gold Nanoparticles inside the Channels of Periodic Mesoporous Organosilica with Ionic Liquid Framework. <i>ACS Combinatorial Science</i> , 2020 , 22, 70-79	3.9	13
181	Palladium supported on a novel ordered mesoporous polypyrrole/carbon nanocomposite as a powerful heterogeneous catalyst for the aerobic oxidation of alcohols to carboxylic acids and ketones on water.. <i>RSC Advances</i> , 2020 , 10, 13616-13631	3.7	5
180	Single-atom catalysis: A practically viable technology?. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020 , 25, 100358	7.9	3
179	Robust non-covalent and covalent anchored N,N,N',N'-tetramethyl-p-phenylenediamine derivative on electrode surface via spontaneous physical immobilization and in situ generated aryldiazonium ion electro-grafting: implication for on-surface chemistry and electro-catalytic determinations. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 880, 146317	5	6
178	Minimizing the Size of Palladium Nanoparticles Immobilized within the Channels of Ionic Liquid-Derived Magnetically Separable Heteroatom-Doped Mesoporous Carbon for Aerobic Oxidation of Alcohols. <i>ACS Applied Nano Materials</i> , 2020 , 3, 10612-10627	5.6	2
177	Cubic nanocasted polyaniline-ordered mesoporous carbon composite and its application for enhanced catalytic activity of palladium nanoparticles in the aerobic oxidation of alcohols in water. <i>Molecular Catalysis</i> , 2020 , 496, 111182	3.3	0
176	An Amphiphilic Mesoporous Polymer Comprising a Built-in Imidazolium Ionic Liquid via Nanocasting Method as a Novel Catalyst Support with Combined Prospects. <i>ChemistrySelect</i> , 2019 , 4, 347-356	1.8	4
175	A supported manganese complex with amine-bis(phenol) ligand for catalytic benzylic C(sp)-H bond oxidation.. <i>RSC Advances</i> , 2019 , 9, 14343-14351	3.7	8
174	Imidazolium-based mesoporous organosilicas with bridging organic groups for microextraction by packed sorbent of phenoxy acid herbicides, polycyclic aromatic hydrocarbons and chlorophenols. <i>Mikrochimica Acta</i> , 2019 , 186, 239	5.8	13
173	Nanopalladium on Magnetic Ionic Nanoparticle Network (MINN) as an Efficient and Recyclable Catalyst with High Ionic Density and Dispersibility. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3811-3823	8.3	13
172	Determination and analysis of volatile components from <i>Thymus kotschyanus</i> Boiss with a new solid-phase microextraction fibre and microwave-assisted hydrodistillation by periodic mesoporous organosilica based on alkylimidazolium ionic liquid. <i>Phytochemical Analysis</i> , 2019 , 30, 193-197	3.4	8
171	Oxygenation of sulfides catalysed by SBA-15-immobilized molybdenum(VI) complex of a bis(phenol) diamine ligand using aqueous hydrogen peroxide as a green oxidant. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4304	3.1	3

170	Ionic Liquids in Asymmetric Synthesis: An Overall View from Reaction Media to Supported Ionic Liquid Catalysis. <i>ChemCatChem</i> , 2018 , 10, 3173-3205	5.2	79
169	Stabilization of 4-phenylurazole by electrografting on a nano-fibrillated mesoporous carbon modified electrode. Reactivity of anchored triazolinedione groups against Michael-type addition at electrode/electrolyte interface. <i>Electrochimica Acta</i> , 2018 , 269, 312-320	6.7	8
168	Graphitized Nitrogen-Doped Ordered Mesoporous Carbon Derived from Ionic Liquid; Catalytic Performance Toward ORR. <i>Electrocatalysis</i> , 2018 , 9, 632-639	2.7	10
167	Iron(III) Amine Bis(phenolate) Complex Immobilized on Silica-Coated Magnetic Nanoparticles: A Highly Efficient Catalyst for the Oxidation of Alcohols and Sulfides. <i>ChemCatChem</i> , 2018 , 10, 1889-1899	5.2	21
166	Aerobic Oxidative Dehydrogenation of Amines Catalyzed by a Recoverable Ruthenium Catalyst under Mild Reaction Conditions. <i>ChemCatChem</i> , 2018 , 10, 1783-1787	5.2	13
165	New Stable Catalytic Electrodes Functionalized with TEMPO for the Waste-Free Oxidation of Alcohol. <i>Organic Process Research and Development</i> , 2018 , 22, 1298-1305	3.9	11
164	Switching from Ethylene Trimerization to Ethylene Polymerization by Chromium Catalysts Bearing SNS Tridentate Ligands: Process Optimization Using Response Surface Methodology. <i>Catalysis Letters</i> , 2018 , 148, 3685-3700	2.8	7
163	Green and Direct Synthesis of Benzaldehyde and Benzyl Benzoate in One Pot. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15441-15446	8.3	7
162	Au-Pd bimetallic nanoparticles supported on a high nitrogen-rich ordered mesoporous carbon as an efficient catalyst for room temperature Ullmann coupling of aryl chlorides in aqueous media. <i>Chemical Communications</i> , 2018 , 54, 7155-7158	5.8	35
161	Electrochemical Alcohol Oxidation Mediated by TEMPO-like Nitroxyl Radicals. <i>ChemistryOpen</i> , 2017 , 6, 5-10	2.3	37
160	Propylsulfonic acid-anchored isocyanurate-based periodic mesoporous organosilica (PMO-ICS-Pr-SOH): A new and highly efficient recoverable nanoporous catalyst for the one-pot synthesis of bis(indolyl)methane derivatives. <i>Journal of Colloid and Interface Science</i> , 2017 , 505, 956-963	9.3	29
159	Highly ordered mesoporous organosilica-titania with ionic liquid framework as very efficient nanocatalyst for green oxidation of alcohols. <i>Journal of Colloid and Interface Science</i> , 2017 , 500, 212-219	9.3	24
158	Ionic Liquid-Based Periodic Mesoporous Organosilica: An Innovative Matrix for Enzyme Immobilization. <i>ChemistrySelect</i> , 2017 , 2, 9953-9957	1.8	6
157	Selective and green oxidation of sulfides in water using a new iron(III) bis(phenol) amine complex supported on functionalized graphene oxide. <i>Synthetic Metals</i> , 2017 , 233, 63-73	3.6	17
156	Propylsulfonic Acid-Anchored Isocyanurate-Based Periodic Mesoporous Organosilica (PMO-ICS-PrSO ₃ H): A Highly Efficient and Recoverable Nanoporous Catalyst for the One-Pot Synthesis of Substituted Polyhydroquinolines. <i>Catalysis Letters</i> , 2017 , 147, 2656-2663	2.8	20
155	Guanine/Ionic Liquid Derived Ordered Mesoporous Carbon Decorated with AuNPs as Efficient NADH Biosensor and Suitable Platform for Enzymes Immobilization and Biofuel Cell Design. <i>Electroanalysis</i> , 2017 , 29, 2646-2655	3	9
154	A Novel Copper Complex of Proline-Based Mono(phenol) Amine Ligand (Hlpro) Immobilized in SBA-15 as a Model Catalyst of Galactose Oxidase. <i>ChemistrySelect</i> , 2017 , 2, 11164-11171	1.8	4
153	Imidazolyl-Functionalized Ordered Mesoporous Polymer from Nanocasting as an Effective Support for Highly Dispersed Palladium Nanoparticles in the Heck Reaction. <i>ChemCatChem</i> , 2016 , 8, 2508-2515	5.2	17

152	Synergistic catalysis within TEMPO-functionalized periodic mesoporous organosilica with bridge imidazolium groups in the aerobic oxidation of alcohols. <i>RSC Advances</i> , 2016 , 6, 63717-63723	3.7	23
151	Amine-functionalized ionic liquid-based mesoporous organosilica as a highly efficient nanocatalyst for the Knoevenagel condensation. <i>Catalysis Science and Technology</i> , 2016 , 6, 4318-4326	5.5	67
150	Sulphanilic acid as a recyclable bifunctional organocatalyst in the selective conversion of lignocellulosic biomass to 5-HMF. <i>Green Chemistry</i> , 2016 , 18, 2282-2286	10	63
149	TEMPO-mediated aerobic oxidation of alcohols using copper(II) complex of bis(phenol) di-amine ligand as biomimetic model for Galactose oxidase enzyme. <i>Polyhedron</i> , 2016 , 106, 153-162	2.7	16
148	Ultrasmall Platinum Nanoparticles Supported Inside the Nanospaces of Periodic Mesoporous Organosilica with an Imidazolium Network: An Efficient Catalyst for the Aerobic Oxidation of Unactivated Alcohols in Water. <i>ChemCatChem</i> , 2016 , 8, 906-910	5.2	36
147	Periodic mesoporous organosilica with ionic-liquid framework supported manganese: an efficient and recyclable nanocatalyst for the unsymmetric Hantzsch reaction. <i>RSC Advances</i> , 2015 , 5, 13087-13094	2.7	42
146	Control of plugging in bifunctional periodic mesoporous organosilica with imidazolium framework (BFPMO) via stepwise addition of silica precursors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6575-6585	13	19
145	Polyaniline/ionic liquid derived ordered mesoporous carbon nanocomposite: synthesis and supercapacitive behavior. <i>RSC Advances</i> , 2015 , 5, 69032-69041	3.7	20
144	Sulfonic acid-functionalized periodic mesoporous organosilicas in esterification and selective acylation reactions. <i>Catalysis Science and Technology</i> , 2015 , 5, 3624-3631	5.5	21
143	Tungstate Supported on Periodic Mesoporous Organosilica with Imidazolium Framework as an Efficient and Recyclable Catalyst for the Selective Oxidation of Sulfides. <i>ChemPlusChem</i> , 2015 , 80, 990-999	2.8	45
142	Fabrication of a nonenzymatic glucose sensor using Pd-nanoparticles decorated ionic liquid derived fibrillated mesoporous carbon. <i>Materials Science and Engineering C</i> , 2015 , 52, 219-24	8.3	25
141	Novel Ordered Mesoporous Carbon Based Sulfonic Acid as an Efficient Catalyst in the Selective Dehydration of Fructose into 5-HMF: the Role of Solvent and Surface Chemistry. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19050-9	9.5	47
140	Manganese dioxide nanoparticles incorporated within ionic liquid derived fibrillated mesoporous carbon: electrode material for high-performance supercapacitors. <i>RSC Advances</i> , 2015 , 5, 84840-84848	3.7	9
139	Ionic liquid-based ordered mesoporous organosilica-supported copper as a novel and efficient nanocatalyst for the one-pot synthesis of Biginelli products. <i>Microporous and Mesoporous Materials</i> , 2015 , 204, 269-275	5.3	52
138	Eco-friendly electrocatalytic oxidation of alcohols on a novel electro generated TEMPO-functionalized MCM-41 modified electrode. <i>Green Chemistry</i> , 2015 , 17, 991-1000	10	49
137	Recent Applications of Magnetically Recoverable Nanocatalysts in C-C and C-X Coupling Reactions. <i>ChemCatChem</i> , 2015 , 7, 1736-1789	5.2	182
136	A Highly Water-Dispersible/Magnetically Separable Palladium Catalyst: Selective Transfer Hydrogenation or Direct Reductive N-Formylation of Nitroarenes in Water. <i>ChemPlusChem</i> , 2015 , 80, 1750-1759	2.8	37
135	One-Pot Preparation of Propargylamines Catalyzed by Heterogeneous Copper Catalyst Supported on Periodic Mesoporous Organosilica with Ionic Liquid Framework. <i>ChemPlusChem</i> , 2015 , 80, 1573-1579	2.8	27

- 134 N-Heterocyclic Carbene-Pd Polymers as Reusable Precatalysts for Cyanation and Ullmann Homocoupling of Aryl Halides: The Role of Solvent in Product Distribution. *ChemCatChem*, **2015**, 7, 2248-2254 5.3 17
- 133 Ionic liquid-derived nano-fibrillated mesoporous carbon based on solid-phase microextraction fiber for the analysis of volatile organic compounds from aqueous solutions. *New Journal of Chemistry*, **2015**, 39, 6085-6091 3.6 11
- 132 Palladium Nanoparticles Supported in the Nanospaces of Imidazolium-Based Bifunctional PMOs: The Role of Plugs in Selectivity Changeover in Aerobic Oxidation of Alcohols. *ACS Catalysis*, **2015**, 5, 4189-4200 13.1 74
- 131 Recent Progress in Design and Application of Functional Ordered/Periodic Mesoporous Silicas (OMs) and Organosilicas (PMOs) as Catalyst Support in Carbon-Carbon Coupling Reactions. *Current Organic Chemistry*, **2015**, 20, 349-380 1.7 31
- 130 Synthesis and characterization of magnetic copper ferrite nanoparticles and their catalytic performance in one-pot odorless carbon-sulfur bond formation reactions. *Journal of Molecular Catalysis A*, **2014**, 386, 20-27 62
- 129 Hydrophobicity-enhanced magnetic solid sulfonic acid: A simple approach to improve the mass transfer of reaction partners on the surface of the heterogeneous catalyst in water-generating reactions. *Applied Catalysis A: General*, **2014**, 472, 123-133 5.1 53
- 128 A highly water-dispersible/magnetically separable palladium catalyst based on a Fe₃O₄@SiO₂ anchored TEG-imidazolium ionic liquid for the Suzuki-Miyaura coupling reaction in water. *Green Chemistry*, **2014**, 16, 2587 10 138
- 127 Fe₃O₄@SiO₂-TEMPO as a Magnetically Recyclable Catalyst for Highly Selective Aerobic Oxidation of 5-Hydroxymethylfurfural into 2,5-Diformylfuran under Metal- and Halogen-Free Conditions. *ChemCatChem*, **2014**, 6, 758-762 5.2 54
- 126 Selective oxidation of alcohols with hydrogen peroxide catalyzed by tungstate ions (WO₄⁼) supported on periodic mesoporous organosilica with imidazolium frameworks (PMO-IL). *Tetrahedron*, **2014**, 70, 6114-6119 2.4 65
- 125 Improving the Selectivity toward Three-Component Biginelli versus Hantzsch Reactions by Controlling the Catalyst Hydrophobic/Hydrophilic Surface Balance. *ChemCatChem*, **2014**, 6, 212-219 5.2 29
- 124 Synthesis of Sulfonic Acid Containing Ionic-Liquid-Based Periodic Mesoporous Organosilica and Study of Its Catalytic Performance in the Esterification of Carboxylic Acids. *ChemPlusChem*, **2014**, 79, 1147-1152 2.8 36
- 123 Mechanistic Study of the Electrocatalytic Oxidation of Alcohols by TEMPO and NHPI. *ChemElectroChem*, **2014**, 1, 455-462 4.3 47
- 122 Asymmetric Mannich Reaction of Malonates with Aldimines Using YbIII-Pybox Complexes Supported on Self-Assembled Organic-Inorganic Hybrid Silica with an Imidazolium Framework. *European Journal of Organic Chemistry*, **2014**, 2014, 7253-7258 3.2 5
- 121 Activity enhancement in cyanation of aryl halides through confinement of ionic liquid in the nanospaces of SBA-15-supported Pd complex. *RSC Advances*, **2014**, 4, 57639-57645 3.7 22
- 120 Magnetic solid sulfonic acid decorated with hydrophobic regulators: a combinatorial and magnetically separable catalyst for the synthesis of α -aminonitriles. *ACS Combinatorial Science*, **2014**, 16, 352-8 3.9 52
- 119 Ionic Liquid and Sulfonic Acid Based Bifunctional Periodic Mesoporous Organosilica (BPMOILSO₃H) as a Highly Efficient and Reusable Nanocatalyst for the Biginelli Reaction. *ChemCatChem*, **2014**, 6, 2593-2599 5.2 69
- 118 Ethylenediamine-modified oriented MCM-41 at the electrode surface, cobalt adsorption ability and electrochemical performance. *Dalton Transactions*, **2014**, 43, 4901-8 4.3 15
- 117 High-performance supercapacitors based on an ionic liquid-derived nanofibrillated mesoporous carbon. *Journal of Solid State Electrochemistry*, **2014**, 18, 2419-2424 2.6 23

116	Immobilization, stability and enzymatic activity of albumin and trypsin adsorbed onto nanostructured mesoporous SBA-15 with compatible pore sizes. <i>RSC Advances</i> , 2014 , 4, 4387-4394	3.7	30
115	Palladium on Ionic Liquid Derived Nanofibrillated Mesoporous Carbon: A Recyclable Catalyst for the Ullmann Homocoupling Reactions of Aryl Halides in Water. <i>ChemCatChem</i> , 2014 , 6, 745-748	5.2	38
114	SBA-15-functionalized 3-oxo-ABNO as recyclable catalyst for aerobic oxidation of alcohols under metal-free conditions. <i>ChemSusChem</i> , 2014 , 7, 2735-41	8.3	28
113	Electrochemical Behavior of Glucose Oxidase Immobilized on Pd-Nanoparticles Decorated Ionic Liquid Derived Fibrillated Mesoporous Carbon. <i>Electroanalysis</i> , 2014 , 26, 2010-2016	3	10
112	The influence of hydrophobic/hydrophilic balance of the mesoporous solid acid catalysts in the selective dehydration of fructose into HMF. <i>RSC Advances</i> , 2013 , 3, 20655	3.7	43
111	Recent Advances in Metal-Catalyzed Asymmetric Mannich Reactions. <i>Synthesis</i> , 2013 , 45, 2769-2812	2.9	97
110	SBA-15 functionalized sulfonic acid containing a confined hydrophobic and acidic ionic liquid: a highly efficient catalyst for solvent-free thioacetalization of carbonyl compounds at room temperature. <i>RSC Advances</i> , 2013 , 3, 23207	3.7	32
109	Periodic mesoporous organosilica with ionic liquid framework as a novel fiber coating for headspace solid-phase microextraction of polycyclic aromatic hydrocarbons. <i>Analytica Chimica Acta</i> , 2013 , 804, 280-6	6.6	60
108	Coupling Reactions Induced by Polymer-Supported Catalysts 2013 , 141-200		1
107	Amorphous TiO ₂ coated into periodic mesoporous organosilicate channels as a new binary photocatalyst for regeneration of carbonyl compounds from oximes under sunlight irradiation. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 416-9	3.9	32
106	Electrochemical fabrication of electroactive ordered mesoporous electrode. <i>Analyst, The</i> , 2013 , 138, 1740-4	5	15
105	One-Pot Oxidative Passerini Reaction of Alcohols Using a Magnetically Recyclable TEMPO under Metal- and Halogen-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, n/a-n/a	5.6	5
104	Hydroquinone functionalized oriented MCM-41 mesochannels at the electrode surface. <i>Electrochimica Acta</i> , 2013 , 94, 198-205	6.7	22
103	Selectivity Adjustment of SBA-15 Based Tungstate Catalyst in Oxidation of Sulfides by Incorporating a Hydrophobic Organic Group inside the Mesochannels. <i>ACS Catalysis</i> , 2013 , 3, 1657-1664	13.1	67
102	Palladium-Containing Ionic Liquid-Based Ordered Mesoporous Organosilica: An Efficient and Reusable Catalyst for the Heck Reaction. <i>ChemCatChem</i> , 2013 , 5, 2418-2424	5.2	59
101	Highly efficient catalytic enantioselective Mannich reaction of malonates with N-tert-butoxycarbonyl imines by using Yb(OTf) ₃ /pybox catalysts at room temperature. <i>Chemistry - A European Journal</i> , 2013 , 19, 10142-5	4.8	22
100	Periodic mesoporous organosilica functionalized sulfonic acids as highly efficient and recyclable catalysts in biodiesel production. <i>Catalysis Science and Technology</i> , 2012 , 2, 828	5.5	64
99	SBA-15-functionalized sulfonic acid confined acidic ionic liquid: a powerful and water-tolerant catalyst for solvent-free esterifications. <i>Chemical Communications</i> , 2012 , 48, 3327-9	5.8	126

98	Synthesis and characterization of alkyl-imidazolium-based periodic mesoporous organosilicas: a versatile host for the immobilization of perruthenate (RuO ₄ ⁻) in the aerobic oxidation of alcohols. <i>Chemistry - A European Journal</i> , 2012 , 18, 13520-30	4.8	78
97	Electrochemical performance of a novel ionic liquid derived mesoporous carbon. <i>Chemical Communications</i> , 2012 , 48, 2776-8	5.8	26
96	SBA-15-functionalized palladium complex partially confined with ionic liquid: an efficient and reusable catalyst system for aqueous-phase Suzuki reaction. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 4531-6	3.9	48
95	Gold Nanoparticles Supported on the Periodic Mesoporous Organosilicas as Efficient and Reusable Catalyst for Room Temperature Aerobic Oxidation of Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 1319-1326	5.6	49
94	A nano-fibrillated mesoporous carbon as an effective support for palladium nanoparticles in the aerobic oxidation of alcohols "on pure water". <i>Chemistry - A European Journal</i> , 2012 , 18, 8634-40	4.8	50
93	Inside Cover: A Nano-Fibrillated Mesoporous Carbon as an Effective Support for Palladium Nanoparticles in the Aerobic Oxidation of Alcohols on Pure Water (Chem. Eur. J. 28/2012). <i>Chemistry - A European Journal</i> , 2012 , 18, 8550-8550	4.8	1
92	Highly efficient three-component coupling reaction catalyzed by gold nanoparticles supported on periodic mesoporous organosilica with ionic liquid framework. <i>Chemical Communications</i> , 2012 , 48, 8961-3	5.8	114
91	A novel water-soluble NHC-Pd polymer: an efficient and recyclable catalyst for the Suzuki coupling of aryl chlorides in water at room temperature. <i>Chemical Communications</i> , 2011 , 47, 7686-8	5.8	127
90	A silica supported cobalt (II) Salen complex as efficient and reusable catalyst for the selective aerobic oxidation of ethyl benzene derivatives. <i>Catalysis Communications</i> , 2011 , 12, 510-513	3.2	53
89	Periodic mesoporous silica chloride (PMSCl) as an efficient and recyclable catalyst for the Pechmann reaction. <i>Catalysis Communications</i> , 2011 , 12, 1432-1436	3.2	16
88	SBA-15-functionalized TEMPO confined ionic liquid: an efficient catalyst system for transition-metal-free aerobic oxidation of alcohols with improved selectivity. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 4194-8	3.9	75
87	A study on applications of N-substituted main-chain NHC-palladium polymers as recyclable self-supported catalysts for the Suzuki-Miyaura coupling of aryl chlorides in water. <i>Inorganic Chemistry</i> , 2011 , 50, 6063-72	5.1	128
86	Silica Chloride Nano Particle Catalyzed Ring Opening of Epoxides by Aromatic Amines. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 955-958	4.9	10
85	A highly recyclable magnetic core-shell nanoparticle-supported TEMPO catalyst for efficient metal- and halogen-free aerobic oxidation of alcohols in water. <i>Chemistry - A European Journal</i> , 2011 , 17, 6056-60	4.8	126
84	Palladium containing periodic mesoporous organosilica with imidazolium framework (Pd@PMO-IL): an efficient and recyclable catalyst for the aerobic oxidation of alcohols. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 7420-6	3.9	80
83	Unexpected golden Ullmann reaction catalyzed by Au nanoparticles supported on periodic mesoporous organosilica (PMO). <i>Chemical Communications</i> , 2011 , 47, 10452-4	5.8	84
82	Novel Periodic Mesoporous Silica Chlorides (PMSCl) with 2D P6mm Hexagonal Structures: Efficient Catalysts for the Beckmann Rearrangement. <i>Synlett</i> , 2010 , 2010, 2019-2023	2.2	12
81	Transition-Metal-Catalyzed Oxidative Heck Reactions. <i>Synthesis</i> , 2010 , 2010, 1399-1427	2.9	187

80	Recent Application of Polymer Supported Metal Nanoparticles in Heck, Suzuki and Sonogashira Coupling Reactions. <i>Current Organic Synthesis</i> , 2010 , 7, 543-567	1.9	37
79	Self-assembled organic-inorganic hybrid silica with ionic liquid framework: a novel support for the catalytic enantioselective Strecker reaction of imines using Yb(OTf) ₃ -pybox catalyst. <i>Chemical Communications</i> , 2010 , 46, 6947-9	5.8	60
78	N-Bromosuccinimide (NBS), a Novel and Highly Effective Catalyst for Acetylation of Alcohols under Mild Reaction Conditions.. <i>ChemInform</i> , 2010 , 32, no-no		2
77	Ordered mesoporous organosilica with ionic-liquid framework: an efficient and reusable support for the palladium-catalyzed Suzuki-Miyaura coupling reaction in water. <i>Chemistry - A European Journal</i> , 2010 , 16, 8047-53	4.8	191
76	Catalytic asymmetric Strecker hydrocyanation of imines using Yb(OTf) ₃ -pybox catalysts. <i>Chemical Communications</i> , 2009 , 5180-2	5.8	30
75	Gold nanoparticles supported on Cs ₂ CO ₃ as recyclable catalyst system for selective aerobic oxidation of alcohols at room temperature. <i>Chemical Communications</i> , 2009 , 5555-7	5.8	64
74	Main-chain NHC-palladium polymer as a recyclable self-supported catalyst in the Suzuki-Miyaura coupling of aryl chlorides in water. <i>Chemical Communications</i> , 2009 , 3750-2	5.8	107
73	Aerobic oxidation of alcohols using various types of immobilized palladium catalyst: the synergistic role of functionalized ligands, morphology of support, and solvent in generating and stabilizing nanoparticles. <i>Green Chemistry</i> , 2009 , 11, 109-119	10	113
72	Solvent-free three component Strecker reaction of ketones using highly recyclable and hydrophobic sulfonic acid based nanoreactors. <i>Journal of Materials Chemistry</i> , 2009 , 19, 8665		65
71	Design of a highly efficient and water-tolerant sulfonic acid nanoreactor based on tunable ordered porous silica for the von Pechmann reaction. <i>Organic Letters</i> , 2008 , 10, 3989-92	6.2	129
70	One-pot synthesis of α -aminonitriles using a highly efficient and recyclable silica-based scandium (III) interphase catalyst. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 2967-2970	2.3	36
69	Recent advances in the homogeneous palladium-catalyzed aerobic oxidation of alcohols. <i>Journal of the Iranian Chemical Society</i> , 2008 , 5, S1-S20	2	29
68	Selective, metal-free oxidation of sulfides to sulfoxides Using 30% hydrogen peroxide catalyzed with N-bromosuccinimide (NBS) under neutral buffered reaction conditions. <i>Journal of the Iranian Chemical Society</i> , 2008 , 5, S103-S107	2	26
67	Palladium Catalyzed Reactions of 2-Nitroaniline with Vinylethers. <i>E-Journal of Chemistry</i> , 2007 , 4, 519-522		1
66	Green, transition-metal-free aerobic oxidation of alcohols using a highly durable supported organocatalyst. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7210-3	16.4	180
65	Green, Transition-Metal-Free Aerobic Oxidation of Alcohols Using a Highly Durable Supported Organocatalyst. <i>Angewandte Chemie</i> , 2007 , 119, 7348-7351	3.6	57
64	A novel and highly efficient method for the silylation of alcohols with hexamethyldisilazane (HMDS) catalyzed by recyclable sulfonic acid-functionalized ordered nanoporous silica. <i>Tetrahedron Letters</i> , 2007 , 48, 1277-1280	2	101
63	Highly chemoselective acetalization of carbonyl compounds catalyzed by a novel recyclable ammonium triflate-functionalized silica. <i>Journal of Molecular Catalysis A</i> , 2007 , 277, 262-265		25

62	Silica functionalized sulfonic acid as a recyclable interphase catalyst for chemoselective thioacetalization of carbonyl compounds in water. <i>Journal of Molecular Catalysis A</i> , 2007 , 271, 75-79		46
61	Highly efficient aerobic oxidation of alcohols using a recoverable catalyst: the role of mesoporous channels of SBA-15 in stabilizing palladium nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4776-9	16.4	272
60	Highly Efficient Aerobic Oxidation of Alcohols Using a Recoverable Catalyst: The Role of Mesoporous Channels of SBA-15 in Stabilizing Palladium Nanoparticles. <i>Angewandte Chemie</i> , 2006 , 118, 4894-4897	3.6	58
59	New N-heterocyclic carbene palladium complex/ionic liquid matrix immobilized on silica: application as recoverable catalyst for the Heck reaction. <i>Organic Letters</i> , 2006 , 8, 1237-40	6.2	250
58	Selective oxidation of sulfides to sulfoxides using 30% hydrogen peroxide catalyzed with a recoverable silica-based tungstate interphase catalyst. <i>Organic Letters</i> , 2005 , 7, 625-8	6.2	194
57	A Bipyridyl Palladium Complex Covalently Anchored onto Silica as an Effective and Recoverable Interphase Catalyst for the Aerobic Oxidation of Alcohols?. <i>Organometallics</i> , 2005 , 24, 4695-4698	3.8	99
56	The selective aerobic oxidation of methylaromatics to benzaldehydes using a unique combination of two heterogeneous catalysts. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 725-6	3.9	46
55	Efficient aerobic oxidation of alcohols using a novel combination N-hydroxy phthalimide (NHPI) and a recyclable heterogeneous cobalt complex. <i>Journal of Molecular Catalysis A</i> , 2005 , 232, 95-99		45
54	A high loading sulfonic acid-functionalized ordered nanoporous silica as an efficient and recyclable catalyst for chemoselective deprotection of tert-butyldimethylsilyl ethers. <i>Tetrahedron Letters</i> , 2005 , 46, 4661-4665	2	37
53	An improved protocol for aerobic oxidation of acetals to esters catalyzed by N-hydroxy phthalimide (NHPI) and lipophilic Co(II) complexes. <i>Journal of Molecular Catalysis A</i> , 2005 , 226, 165-169		18
52	Solid silica-based sulfonic acid as an efficient and recoverable interphase catalyst for selective tetrahydropyranlation of alcohols and phenols. <i>Journal of Molecular Catalysis A</i> , 2005 , 232, 113-117		96
51	N-Bromosuccinimide (NBS) Catalyzed Highly Chemoselective Acetalization of Carbonyl Compounds Using Silylated Diols and Pentaerythritol under Neutral Aprotic Conditions. <i>Synthesis</i> , 2005 , 2005, 279-285	2.9	19
50	N-Bromosuccinimide as an Almost Neutral Catalyst for Efficient Synthesis of Dihydropyrimidinones Under Microwave Irradiation. <i>Synthesis</i> , 2004 , 2004, 1239-1242	2.9	12
49	N-Iodosuccinimide (NIS) as a mild and highly chemoselective catalyst for deprotection of tert-butyldimethylsilyl ethers. <i>Tetrahedron Letters</i> , 2004 , 45, 9139-9141	2	24
48	TRIMETHYLCHLOROSILANE (TMCS) CATALYZED EFFICIENT REDUCTION OF SULFOXIDES TO THIOETHERS USING 3-MERCAPTOPROPIONIC ACID UNDER MILD REACTION CONDITIONS. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2004 , 179, 77-81	1	3
47	A highly efficient and recyclable silica-based scandium(III) interphase catalyst for cyanosilylation of carbonyl compounds. <i>Organic Letters</i> , 2004 , 6, 4813-5	6.2	75
46	Novel method for efficient aerobic oxidation of silyl ethers to carbonyl compounds catalyzed with N-hydroxyphthalimide (NHPI) and lipophilic Co(II) complexes. <i>Organic Letters</i> , 2004 , 6, 2841-4	6.2	14
45	N-Bromosuccinimide and Iodine Catalyzed Highly Efficient Deoxygenation of Sulfoxides to Thioethers Using 3-Mercaptopropionic Acid under Mild Reaction Conditions. <i>Synthesis</i> , 2003 , 2003, 1875-1877	2.9	27

44	Efficient Aerobic Oxidation of Acetals to Esters Catalyzed by N-Hydroxy phthalimide (NHPI) and Co(II) under Mild Conditions. <i>Synthesis</i> , 2003 , 2003, 2373-2377	2.9	31
43	Scandium(III) Triflate as an Efficient and Recyclable Catalyst for Chemoselective Conversion of Carbonyl Compounds to 1,3-Oxathiolanes. <i>Synthesis</i> , 2003 , 2003, 2503-2506	2.9	24
42	Rapid, Efficient and Chemoselective Deoxygenation of Sulfoxides to Thioethers Using NaBH ₄ /I ₂ . <i>Synthesis</i> , 2003 , 2003, 0335-0336	2.9	29
41	New Applications of 2,4,6-Trichloro-1,3,5-triazine (TT) in Synthesis: Highly Efficient and Chemoselective Deprotection and Ring-Enlargement of Dithioacetals and Oxathioacetals. <i>Synthesis</i> , 2003 , 2003, 2547-2551	2.9	26
40	Scandium trifluoromethanesulfonate as a recyclable catalyst for efficient methoxymethylation of alcohols. <i>Tetrahedron Letters</i> , 2003 , 44, 6051-6053	2	32
39	A facile synthesis of new 3-(2-benzimidazolyl)-2-alkyl-4-(3H)-quinazolinones under microwave irradiation. <i>Tetrahedron</i> , 2003 , 59, 4757-4760	2.4	32
38	Silica Chloride (SiO ₂ -Cl) and Trimethylsilyl Chloride (TMSCl) Promote Facile and Efficient Dehydration of Tertiary Alcohols. <i>Synthetic Communications</i> , 2003 , 33, 3653-3660	1.7	11
37	Silica Chloride (SiO ₂ -Cl), a New Heterogeneous Reagent, for the Selective and Efficient Conversion of Benzylic Alcohols to Their Corresponding Chlorides and Iodides. <i>Synthetic Communications</i> , 2003 , 33, 3671-3677	1.7	5
36	Lithium trifluoromethanesulfonate (LiOTf) as a recyclable catalyst for highly efficient acetylation of alcohols and diacetylation of aldehydes under mild and neutral reaction conditions. <i>Journal of Organic Chemistry</i> , 2003 , 68, 4951-4	4.2	118
35	Highly efficient and chemoselective interchange of 1,3-oxathioacetals and dithioacetals to acetals promoted by N-halosuccinimide. <i>Tetrahedron</i> , 2002 , 58, 4513-4516	2.4	17
34	Lithium triflate (LiOTf) catalyzed efficient and chemoselective tetrahydropyranylation of alcohols and phenols under mild and neutral reaction conditions. <i>Tetrahedron Letters</i> , 2002 , 43, 5353-5355	2	58
33	HIGHLY EFFICIENT AND CHEMOSELECTIVE CONVERSION OF ALDEHYDES TO ACYLALS CATALYZED WITH TUNGSTEN HEXACHLORIDE (WCl ₆). <i>Synthetic Communications</i> , 2002 , 32, 669-673	1.7	26
32	Iodine-Catalyzed, Efficient and Mild Procedure for Highly Chemoselective Acetalization of Carbonyl Compounds under Neutral Aprotic Conditions. <i>Synthesis</i> , 2002 , 2002, 784-788	2.9	45
31	Trimethylchlorosilane (TMSCl) and Cyanuric Chloride (CC) Catalyzed Efficient Oxidative Coupling of Thiols with Dimethylsulfoxide. <i>Synthesis</i> , 2002 , 2002, 2513-2516	2.9	44
30	Hexamethyldisilazane (HMDS) Promotes Highly Efficient Oxidative Coupling of Thiols by DMSO Under Nearly Neutral Reaction Conditions. <i>Synlett</i> , 2002 , 2002, 0346-0348	2.2	24
29	Efficient Reductive Deoxygenation by Tungsten(VI) Chloride (WCl ₆) or Molybdenum(V) Chloride (MoCl ₅) in the Presence of Zn Powder in CH ₃ CN. <i>Bulletin of the Chemical Society of Japan</i> , 2002 , 75, 1764-1764 ¹¹	5.1	11
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24	N-Bromosuccinimide (NBS), a Novel and Highly Effective Catalyst for Acetylation of Alcohols under Mild Reaction Conditions. <i>Synlett</i> , 2001 , 2001, 0519-0520	2.2	53
23	Highly Efficient Transdithioacetalization of Acetals Catalyzed by Silica Chloride. <i>Synlett</i> , 2000 , 2000, 263-265	2.65	58
22	Mild and highly efficient method for the silylation of alcohols using hexamethyldisilazane catalyzed by iodine under nearly neutral reaction conditions. <i>Journal of Organic Chemistry</i> , 2000 , 65, 7228-30	4.2	156
21	Aluminum Chloride (AlCl ₃) Promotes Selective Oxidative Deprotection of Benzylic Trimethylsilyl and Tert- Butyldimethylsilyl Ethers to the Corresponding Carbonyl Compounds with Manganese Dioxide (MnO ₂). <i>Synthetic Communications</i> , 1999 , 29, 4333-4339	1.7	8
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19	Tungsten Hexachloride (WCl ₆) in the Presence of Dimethylsulfoxide Promoted Facile and Efficient One-Pot Ring Expansion-Chlorination Reactions of 1,3-Dithiolanes and 1,3-Dithianes. <i>Synlett</i> , 1999 , 1999, 413-414	2.2	14
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17	Zirconium Tetrachloride (ZrCl ₄) Catalyzed Highly Chemoselective and Efficient Acetalization of Carbonyl Compounds. <i>Synlett</i> , 1999 , 1999, 321-323	2.2	61
16	Zirconium Tetrachloride (ZrCl ₄) Catalyzed Highly Chemoselective and Efficient Transtioacetalization of Acetals. <i>Synlett</i> , 1999 , 1999, 319-320	2.2	37
15	Efficient Deoxygenation of Sulfoxides to Thioethers and Reductive Coupling of Sulfonyl Chlorides to Disulfides with Tungsten Hexachloride. <i>Synthesis</i> , 1999 , 1999, 500-502	2.9	34
14	Tungsten Hexachloride (WCl ₆), A Highly Efficient and Chemoselective Catalyst for Acetalization of Carbonyl Compounds. <i>Synthetic Communications</i> , 1999 , 29, 2255-2263	1.7	18
13	Lithium trifluoromethanesulfonate (LiOTf) as a highly efficient catalyst for chemoselective dithioacetalization of carbonyl compounds under neutral and solvent-free conditions. <i>Tetrahedron Letters</i> , 1999 , 40, 4055-4058	2	39
12	A STUDY OF OXIDATIVE DEPROTECTION OF TRIMETHYLSILYL (TMS) AND TERT-BUTYLDIMEHYLSILYL (TBDMS) ETHERS OF ALCOHOLS WITH POTASSIUM PERMANGANATE (KMnO ₄) AND BARIUM MANGANATE (BaMnO ₄) IN THE PRESENCE OF LEWIS ACIDS IN DRY ORGANIC SOLVENTS. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999 , 152, 141-151	1	6
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10	Efficient Solvent-free Oxidation of Benzylic and Aromatic Allylic Alcohols and Biaryl Acyloins by Manganese Dioxide and Barium Manganate. <i>Journal of Chemical Research Synopses</i> , 1999 , 236-237		15
9	Efficient and Chemoselective Conversion of Carbonyl Compounds to 1,3-Dioxanes Catalyzed with N-Bromosuccinimide under Almost Neutral Reaction Conditions. <i>Organic Letters</i> , 1999 , 1, 1737-1739	6.2	46

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7	Tungsten Hexachloride (WCl ₆) as a Mild and Efficient Reagent for Deprotection of Acetals and Ketals. <i>Journal of Chemical Research Synopses</i> , 1998 , 664-665		8
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2	Waste-free oxidation of alcohols at the surface of catalytic electrodes: What is required for industrial uptake?. <i>Electrochemical Science Advances</i> , e2100124		0
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