

Roozbeh Javad Kalbasi

List of Publications by Year in descending order

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76
papers

1,589
citations

304743

22
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345221

36
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83
all docs

83
docs citations

83
times ranked

1856
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of thermal conductivity of MgO-MWCNTs/EG hybrid nanofluids based on experimental data by selecting optimal artificial neural networks. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 85, 90-96.	2.7	210
2	Synthesis and characterization of Ni nanoparticles-polyvinylamine/SBA-15 catalyst for simple reduction of aromatic nitro compounds. <i>Catalysis Communications</i> , 2011, 12, 955-960.	3.3	113
3	Preparation and characterization of bentonite/PS-SO ₃ H nanocomposites as an efficient acid catalyst for the Biginelli reaction. <i>Applied Clay Science</i> , 2012, 55, 1-9.	5.2	75
4	High selective SiO ₂ -Al ₂ O ₃ mixed-oxide modified carbon paste electrode for anodic stripping voltammetric determination of Pb(II). <i>Talanta</i> , 2007, 73, 37-45.	5.5	55
5	Synthesis and characterization of poly(4-vinylpyridine)/MCM-48 catalyst for one-pot synthesis of substituted 4H-chromenes. <i>Catalysis Communications</i> , 2011, 12, 1231-1237.	3.3	49
6	Synthesis and characterization of Ni nanoparticles incorporated into hyperbranched polyamidoamine-polyvinylamine/SBA-15 catalyst for simple reduction of nitro aromatic compounds. <i>RSC Advances</i> , 2014, 4, 7444.	3.6	44
7	Preparation and characterization of Ni/mZSM-5 zeolite with a hierarchical pore structure by using KIT-6 as silica template: an efficient bi-functional catalyst for the reduction of nitro aromatic compounds. <i>RSC Advances</i> , 2015, 5, 34398-34414.	3.6	44
8	Vapor-phase Beckmann rearrangement of cyclohexanone oxime over H ₃ PO ₄ /ZrO ₂ -TiO ₂ . <i>Applied Catalysis A: General</i> , 2005, 287, 83-88.	4.3	40
9	Highly selective vapor phase nitration of toluene to 4-nitro toluene using modified and unmodified H ₃ PO ₄ /ZSM-5. <i>Applied Catalysis A: General</i> , 2009, 353, 1-8.	4.3	38
10	Metal (Co, Mn)-amine-functionalized mesoporous silica SBA-15: synthesis, characterization and catalytic properties in hydroxylation of benzene. <i>Journal of Porous Materials</i> , 2011, 18, 475-482.	2.6	38
11	ZSM-5-SO ₃ H as a novel, efficient, and reusable catalyst for the chemoselective synthesis and deprotection of 1,1-diacetates under eco-friendly conditions. <i>Monatshefte für Chemie</i> , 2012, 143, 643-652.	1.8	37
12	Synthesis and characterization of PVAm/SBA-15 as a novel organic-inorganic hybrid basic catalyst. <i>Materials Chemistry and Physics</i> , 2011, 125, 784-790.	4.0	35
13	Synthesis, Characterization and Application of Poly(4-Methyl Vinylpyridinium Hydroxide)/SBA-15 Composite as a Highly Active Heterogeneous Basic Catalyst for the Knoevenagel Reaction. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 2618-2626.	1.9	30
14	Synthesis and characterization of hierarchical ZSM-5 zeolite containing Ni nanoparticles for one-pot reductive amination of aldehydes with nitroarenes. <i>Catalysis Communications</i> , 2015, 69, 86-91.	3.3	29
15	Internal versus external surface active sites in ZSM-5 zeolite Part 1. Fries rearrangement catalyzed by modified and unmodified H ₃ PO ₄ /ZSM-5. <i>Applied Catalysis A: General</i> , 2006, 298, 32-39.	4.3	26
16	Synthesis and characterization of polyvinyl amine-SiO ₂ -Al ₂ O ₃ as a new and inexpensive organic-inorganic hybrid basic catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 909-918.	5.8	26
17	Vapor phase acylation of phenol with ethyl acetate over H ₃ PO ₄ /TiO ₂ -ZrO ₂ . <i>Applied Catalysis A: General</i> , 2007, 320, 35-42.	4.3	25
18	Preparation and characterization of P4MVPmNO ₄ /SBA-15 as an efficient heterogeneous oxidant: An organic-inorganic hybrid polymer. <i>Catalysis Communications</i> , 2010, 11, 1109-1115.	3.3	24

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19	Highly selective oxidation of alcohols using MnO ₂ /TiO ₂ -ZrO ₂ as a novel heterogeneous catalyst. <i>Comptes Rendus Chimie</i> , 2012, 15, 428-436.	0.5	24
20	Low-temperature Magnesiothermic Synthesis of Mesoporous Silicon Carbide from an MCM-48/Polyacrylamide Nanocomposite Precursor. <i>Journal of Materials Science and Technology</i> , 2013, 29, 255-260.	10.7	24
21	Facile one-pot tandem reductive amination of aldehydes from nitroarenes over a hierarchical ZSM-5 zeolite containing palladium nanoparticles. <i>New Journal of Chemistry</i> , 2016, 40, 9627-9637.	2.8	24
22	A novel and efficient solvent-free and heterogeneous method for the synthesis of primary, secondary and bis-N-acylsulfonamides using metal hydrogen sulfate catalysts. <i>Tetrahedron</i> , 2009, 65, 7696-7705.	1.9	23
23	A sensitive electrochemical sensor for the determination of carvedilol based on a modified glassy carbon electrode with ordered mesoporous carbon. <i>RSC Advances</i> , 2016, 6, 13160-13167.	3.6	23
24	Palladium Nanoparticles Supported on Poly(2-hydroxyethyl methacrylate)/KIT-6 Composite as an Efficient and Reusable Catalyst for Suzuki-Miyaura Reaction in Water. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012, 22, 404-414.	3.7	22
25	Palladium nanoparticles supported on a poly(N-vinyl-2-pyrrolidone)-modified mesoporous carbon nanocage as a novel heterogeneous catalyst for the Heck reaction in water. <i>Tetrahedron Letters</i> , 2012, 53, 3763-3766.	1.4	22
26	Investigation of thermodynamic parameters of cetyl pyridinium bromide sorption onto ZSM-5 and natural clinoptilolite. <i>Journal of Chemical Thermodynamics</i> , 2004, 36, 95-100.	2.0	21
27	Highly Selective Synthesis of β -Amino Carbonyl Compounds over ZSM-5-SO ₃ H under Solvent-free Conditions. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 1703-1708.	1.9	21
28	Synthesis and characterization of Pd-poly(N-vinyl-2-pyrrolidone)/KIT-5 nanocomposite as a polymer-inorganic hybrid catalyst for the Suzuki-Miyaura cross-coupling reaction. <i>Journal of Solid State Chemistry</i> , 2011, 184, 3095-3103.	2.9	20
29	Synthesis and characterization of BEA-SO ₃ H as an efficient and chemoselective acid catalyst. <i>Journal of Molecular Catalysis A</i> , 2011, 335, 51-59.	4.8	20
30	Free-energy of adsorption of a cationic surfactant onto Na-bentonite (Iran): inspection of adsorption layer by X-ray spectroscopy. <i>Journal of Chemical Thermodynamics</i> , 2004, 36, 707-713.	2.0	19
31	Aerobic Oxidation of Alcohols Catalyzed by Copper Nanoparticle-Polyacrylamide/SBA-15 as Novel Polymer-Inorganic Hybrid. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012, 22, 536-542.	3.7	19
32	A novel catalyst containing palladium nanoparticles supported on poly(2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (m) nanocomposite. <i>Applied Catalysis A: General</i> , 2012, 423-424, 78-90.	4.3	18
33	Synthesis and characterization of mesoporous poly(N-vinyl-2-pyrrolidone) containing palladium nanoparticles as a novel heterogeneous organocatalyst for Heck reaction. <i>Journal of Molecular Structure</i> , 2014, 1063, 259-268.	3.6	16
34	An Efficient and Green Approach for the Esterification of Aromatic Acids with Various Alcohols over H ₃ PO ₄ /TiO ₂ -ZrO ₂ . <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 2361-2367.	1.9	16
35	Preparation, characterization and catalyst application of ternary interpenetrating networks of poly 4-methyl vinyl pyridinium hydroxide-SiO ₂ -Al ₂ O ₃ . <i>Journal of Solid State Chemistry</i> , 2011, 184, 2009-2016.	2.9	15
36	Synthesis, characterization and catalytic activity studies of Pd-based supported nanoparticle catalyst anchoring on poly(N-vinyl-2-pyrrolidone) modified CMK-3. <i>Materials Chemistry and Physics</i> , 2011, 130, 1287-1293.	4.0	14

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37	Adsorption of Organic Pollutants from Aqueous Solutions on Cereal Ashes. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2707-2709.	1.9	13
38	Synthesis, characterization, and application of a manganese Schiff base complex containing salicylaldehyde-poly(vinylamine)/SBA-15 as a novel heterogeneous hybrid catalyst. <i>RSC Advances</i> , 2013, 3, 12816.	3.6	13
39	Fabrication of Bimetallic Ag-Co Nanoparticle Deposited on Hierarchical ZSM-5 as a Selective Catalyst for Synthesis of Propargylamine in Water via Multicomponent A ₃ Coupling. <i>ChemistrySelect</i> , 2018, 3, 12666-12675.	1.5	13
40	Highly selective vapor phase Fries rearrangement of phenyl acetate to 2-hydroxyacetophenone using H ₃ PO ₄ /ZrO ₂ -TiO ₂ . <i>Catalysis Communications</i> , 2007, 8, 1843-1850.	3.3	12
41	Synthesis, characterization and drug release studies of poly(2-hydroxyethyl methacrylate)/KIT-5 nanocomposite as an innovative organic-inorganic hybrid carrier system. <i>RSC Advances</i> , 2015, 5, 12463-12471.	3.6	12
42	Applications of surfactant-modified clays to synthetic organic chemistry. <i>Tetrahedron</i> , 2005, 61, 5529-5534.	1.9	11
43	Fast and Efficient Nitration of Salicylic Acid and Some Other Aromatic Compounds over H ₃ PO ₄ /TiO ₂ -ZrO ₂ Using Nitric Acid. <i>Chinese Journal of Chemistry</i> , 2010, 28, 397-403.	4.9	11
44	Pd-poly(N-vinyl-2-pyrrolidone)/KIT-6 nanocomposite: Preparation, structural study, and catalytic activity. <i>Comptes Rendus Chimie</i> , 2012, 15, 988-995.	0.5	11
45	Suzuki-Miyaura Cross-coupling Reaction Catalyzed by Nickel Nanoparticles Supported on Poly(N-vinyl-2-pyrrolidone)/TiO ₂ -ZrO ₂ Composite. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 2584-2592.	1.9	11
46	Synthesis and characterisation of Ag-nanoparticles immobilised on ordered mesoporous carbon as an efficient sensing platform: application to electrocatalytic determination of hydrazine. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 156-170.	3.3	10
47	In situ polymerization of poly(vinylimidazole) into the pores of hierarchical MFI zeolite as an acid-base bifunctional catalyst for one-pot C-C bond cascade reactions. <i>Research on Chemical Intermediates</i> , 2018, 44, 3279-3291.	2.7	10
48	A novel bi-functional metal/solid acid catalyst for the direct reductive amination of nitroarenes synthesized on a resistant mesoporous carbon (CMK-8) support. <i>Journal of Porous Materials</i> , 2019, 26, 641-654.	2.6	10
49	Highly Selective Aldol Condensation Using Amine-functionalized SiO ₂ -Al ₂ O ₃ Mixed-oxide under Solvent-free Condition. <i>Chinese Journal of Chemistry</i> , 2010, 28, 2074-2082.	4.9	9
50	Synthesis and characterization of Pd-poly(N-vinyl-2-pyrrolidone)/KIT-5 nanocomposite for Heck reaction. <i>Materials Research Bulletin</i> , 2012, 47, 160-166.	5.2	9
51	Encapsulation of Nickel Nanoparticles and Homopoly(Vinylsulfonic Acid) in Mesoporous Carbon CMK-3 as an Acid-Metal Bifunctional Catalyst for Tandem Reductive Amination. <i>Journal of Cluster Science</i> , 2018, 29, 561-575.	3.3	9
52	Preparation, Characterization, and Application of Polyacrylamide-Polystyrene/Bentonite Nanocomposite as an Effective Immobilizing Adsorbent for Remediation of Soil. <i>ChemistrySelect</i> , 2020, 5, 4538-4547.	1.5	9
53	Characterization and catalytic performance of poly(4-vinylpyridine) supported on mesoporous carbon: comparison with poly(4-vinylpyridine) supported on mesoporous silica. <i>Journal of Porous Materials</i> , 2012, 19, 557-565.	2.6	8
54	Green synthesis of silver nanoparticles from aqueous extract of <i>Ziziphora clinopodioides</i> Lam and evaluation of their bioactivities under in vitro and in vivo conditions. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5358.	3.5	8

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55	Highly Selective Vapor-Phase Acylation of Veratrole over $H_3PO_4/TiO_2 \cdot ZrO_2$: Using Ethyl Acetate as a Green and Efficient Acylating Agent. <i>Chinese Journal of Chemistry</i> , 2010, 28, 273-284.	4.9	7
56	Crosslinked methyl methacrylate/ethylene glycol dimethacrylate polymer compounds with a macroazoinitiator. <i>Journal of Applied Polymer Science</i> , 2010, 116, 382-393.	2.6	7
57	Synthesis and characterization of polymer/microporous molecular sieve nanocomposite as a shape-selective basic catalyst. <i>Comptes Rendus Chimie</i> , 2011, 14, 1002-1013.	0.5	7
58	Hydrothermal synthesis of pure $AlPO_4-5$ without fluoride medium: synthesis, characterization and application as a support. <i>Journal of Porous Materials</i> , 2013, 20, 547-556.	2.6	7
59	A Kinetic Study of 2-Ethyl-1-hexanol Oxidation by Dichromate Using Clay-Supported 1-Butyl 4-aza-1-azonia Bicyclo[2.2.2]octane Chloride as the Phase-Transfer Catalyst. <i>Organic Process Research and Development</i> , 2003, 7, 936-938.	2.7	6
60	Hydrotalcite as an Efficient and Reusable Catalyst for Acylation of Phenols, Amines and Thiols Under Solvent-free Conditions. <i>E-Journal of Chemistry</i> , 2012, 9, 2501-2508.	0.5	6
61	Knoevenagel Condensation of Aldehydes with Ethyl Cyanoacetate in Water Catalyzed by $P4VP/Al_2O_3-SiO_2$. <i>Journal of Chemistry</i> , 2013, 2013, 1-8.	1.9	6
62	Hierarchically Pore Structure poly 2-(Dimethyl amino) ethyl methacrylate/Hi-ZSM-5: A Novel Acid-Base Bi-functional Catalyst as Heterogeneous Platform for a Tandem Reaction. <i>Catalysis Letters</i> , 2018, 148, 958-971.	2.6	6
63	Introducing of a New Bio-inspired Hierarchical Porous Silica as an Inorganic Host for Ni-Pd Alloy Nanoparticles for the Synthesis of Aminobiphenyls from the One-Pot Suzuki-Miyaura Coupling-Nitro Reduction. <i>Catalysis Letters</i> , 2018, 148, 2446-2458.	2.6	6
64	Synthesis of multifunctional polymer containing Ni-Pd NPs via thiol-ene reaction for one-pot cascade reactions. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4800.	3.5	6
65	Ni-Pd Nanoparticles Embedded in N-Doped Hierarchical Porous Carbon Derived from Luffa Sponge: Preparation, Characterization and Its Catalytic Activity. <i>ChemistrySelect</i> , 2019, 4, 12875-12885.	1.5	6
66	The influence of different carbon sources in the carbothermal reduction and nitridation (CRN) synthesis of SiAlON from nanocomposite precursors based on Al-SBA-15. <i>Ceramics International</i> , 2013, 39, 6293-6298.	4.8	5
67	ZSM-5- SO_3H : An Efficient Catalyst for Acylation of Sulfonamides Amines, Alcohols, and Phenols under Solvent-Free Conditions. <i>ISRN Organic Chemistry</i> , 2013, 2013, 1-12.	1.0	5
68	Synthesis of Heterogeneous Copper Catalyst Based on Amino-Functionalized Triazine Rings Supported by Silica-Gel for Oxidation of Alcohols. <i>Journal of Chemistry</i> , 2013, 2013, 1-7.	1.9	5
69	CRN synthesis of γ -SiAlON from a nanocomposite precursor of mesoporous silica-alumina (Al-SBA-15) with poly 4-vinyl pyridine. <i>Journal of Porous Materials</i> , 2012, 19, 775-780.	2.6	4
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73	Overcoming acid–base copolymer neutralization using mesoporous carbon and its catalytic activity in the tandem deacetalization–Knoevenagel condensation reaction. <i>Research on Chemical Intermediates</i> , 2020, 46, 3413-3430.	2.7	2
74	Investigating the Properties of the Nanocomposite (poly(4-vinyl pyridine)/Al-SBA-15): A Precursor for β -SiAlON. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 555, 104-111.	0.9	1
75	Dynamic light scattering investigation of CTAB/swelling agent/water mixture for designing of hierarchical ZSM-5 zeolites with favorable mesoporosity. <i>Journal of Materials Science</i> , 2022, 57, 8676-8686.	3.7	1
76	Synthesis and characterization of P4VP/SBA-15 composite by in situ polymerization. <i>Monatshefte für Chemie</i> , 2012, 143, 325-334.	1.8	0