

Sami Sajjadifar

List of Publications by Year in descending order

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59
papers

850
citations

516561

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72
all docs

72
docs citations

72
times ranked

783
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of a Schiff Base Complex of Copper Coated on Epoxy-Modified Core-Shell MNPs as an Environmentally Friendly and Novel Catalyst for the One-Pot Synthesis of Various Chromene-Annulated Heterocycles. <i>ACS Omega</i> , 2021, 6, 25608-25622.	1.6	58
2	Soft, Self-Assembly Liquid Crystalline Nanocomposite for Superior Switching. <i>Electronic Materials Letters</i> , 2019, 15, 84-101.	1.0	52
3	Magnetic Silica-Coated Picolyamine Copper Complex [Fe ₃ O ₄ @SiO ₂ @GP/Picolyamine-Cu(II)]-Catalyzed Biginelli Annulation Reaction. <i>Inorganic Chemistry</i> , 2022, 61, 992-1010.	1.9	51
4	Bio-inspired synthesis of palladium nanoparticles fabricated magnetic Fe ₃ O ₄ nanocomposite over <i>Fritillaria imperialis</i> flower extract as an efficient recyclable catalyst for the reduction of nitroarenes. <i>Scientific Reports</i> , 2021, 11, 4515.	1.6	45
5	Simple and Highly Efficient Catalytic Thiocyanation of Aromatic Compounds in Aqueous Media. <i>Helvetica Chimica Acta</i> , 2012, 95, 106-114.	1.0	36
6	Dispersing of Petroleum Asphaltenes by Acidic Ionic Liquid and Determination by UV-Visible Spectroscopy. <i>Journal of Petroleum Engineering</i> , 2013, 2013, 1-5.	0.6	34
7	Application of 1-methyl imidazole-based ionic liquid-stabilized silica-coated Fe ₃ O ₄ as a novel modified magnetic nanocatalyst for the synthesis of pyrano[2,3-d]pyrimidines. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 307-315.	0.8	31
8	Oxo-vanadium complex immobilized on chitosan coated-magnetic nanoparticles (Fe ₃ O ₄): A heterogeneous and recyclable nanocatalyst for the chemoselective oxidation of sulfides to sulfoxides with H ₂ O ₂ . <i>Polyhedron</i> , 2018, 153, 240-247.	1.0	30
9	Bio-dispersive liquid liquid microextraction based on nano rhamnolipid aggregates combined with molecularly imprinted-solid phase extraction for selective determination of paracetamol in human urine samples followed by HPLC. <i>Microchemical Journal</i> , 2019, 146, 106-114.	2.3	27
10	Heterogeneous and Catalytic Thiocyanation of Aromatic Compounds in Aqueous Media. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2012, 187, 295-304.	0.8	26
11	Silver, iron, and nickel immobilized on hydroxyapatite-core-shell γ -Fe ₂ O ₃ MNPs catalyzed one-pot five-component reactions for the synthesis of tetrahydropyridines by tandem condensation of amines, aldehydes, and methyl acetoacetate. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4172.	1.7	26
12	Bio-dispersive liquid liquid microextraction based on nano rhamnolipid aggregates combined with magnetic solid phase extraction using Fe ₃ O ₄ @PPy magnetic nanoparticles for the determination of methamphetamine in human urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1063, 101-106.	1.2	25
13	Isatin- γ -SO ₃ H coated on amino propyl modified magnetic nanoparticles (Fe ₃ O ₄ @APTES@isatin- γ -SO ₃ H) as a recyclable magnetic nanoparticle for the simple and rapid synthesis of pyrano[2,3-d] pyrimidines derivatives. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4602.	1.7	25
14	Ni ²⁺ supported on hydroxyapatite-core-shell γ -Fe ₂ O ₃ nanoparticles: a novel, highly efficient and reusable Lewis acid catalyst for the regioselective azidolysis of epoxides in water. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 335-340.	1.2	22
15	Applications of iron and nickel immobilized on hydroxyapatite-core-shell γ -Fe ₂ O ₃ as a nanomagnetic catalyst for the chemoselective oxidation of sulfides to sulfoxides under solvent-free conditions. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 960-969.	0.8	21
16	Synthesis of 1,1-diacetates catalysed by silica-supported boron sulfonic acid under solvent-free conditions and ambient temperature. <i>Chemical Papers</i> , 2014, 68, .	1.0	20
17	SBSA as a New and Efficient Catalyst for the One-Pot Green Synthesis of Benzimidazole Derivatives at Room Temperature. <i>American Journal of Organic Chemistry</i> , 2012, 2, 1-6.	1.0	16
18	Synthesis of dihydropyridines and quinoxaline derivatives using 1-methyl-3-(2-(sulfoxy)ethyl)-1H-imidazol-3-ium chloride as a new, reusable and efficient Brønsted acidic ionic liquid catalyst. <i>Asian Journal of Green Chemistry</i> , 2017, 1, 1-15.	1.5	15

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19	A new recyclable 1,4-bis(3-methylimidazolium-1-yl)butane ditribromide [bmImB]Br ₃ ²⁺ ionic liquid reagent for selective bromination of anilines or phenols and I [±] -bromination of alkanones under mild conditions. RSC Advances, 2014, 4, 25898-25903.	1.7	14
20	Zn ₃ (BTC) ₂ as a Metal-Organic Framework and Effective Catalyst for the Regioselective I ² -Azidoalcohols and I ² -Thiocyanohydrins of Epoxides in Water. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 837-846.	1.9	13
21	Zn ₃ (BTC) ₂ as a Highly Efficient Reusable Catalyst for the Synthesis of 2-Aryl-1H-Benzimidazole. Journal of the Chinese Chemical Society, 2018, 65, 205-211.	0.8	13
22	Role of Glass Composition on Mechanical Properties of Shape Memory Alloy-Metallic Glass Composites. Advances in Materials Science and Engineering, 2021, 2021, 1-9.	1.0	13
23	Novel Brønsted acidic ionic liquids catalyzed one-pot reaction of highly green regioselective thiocyanation of N-containing aromatic and heteroaromatic compounds at room temperature. Journal of Sulfur Chemistry, 2018, 39, 294-307.	1.0	12
24	Enrichment of cardiovascular drugs using rhamnolipid bioaggregates after dispersive solid phase extraction based water compatible magnetic molecularly imprinted biopolymers. Microchemical Journal, 2020, 157, 104874.	2.3	12
25	One-pot and solvent-free synthesis of aliphatic and aromatic 1H-indazo[2,1-b]phthalazinetriones catalyzed by boron sulfonic acid. Monatshefte für Chemie, 2014, 145, 1353-1356.	0.9	11
26	Application of [Fe ₃ O ₄ @SiO ₂](CH ₂) ₃ Py]HSO ₄ as heterogeneous and recyclable nanocatalyst for synthesis of polyhydroquinoline derivatives. Applied Organometallic Chemistry, 2019, 33, e5101.	1.7	11
27	Silica Boron Sulfonic Acid as a New and Efficient Catalyst for the Green Synthesis of Quinoxaline Derivatives at Room Temperature. Chemical Methodologies, 2017, 1, 1-14.	1.8	11
28	Grinding Synthesis of 2-Amino-4H-benzo[<i>b</i>]pyran Derivatives Catalyzed By Highly Efficient GPTMS/Guanidine Protected Magnetic Nanoparticles**. ChemistrySelect, 2021, 6, 11362-11374.	0.7	11
29	New 3H-Indole Synthesis by Fischer's Method. Part I.. Molecules, 2010, 15, 2491-2498.	1.7	10
30	An accurate thermodynamic model to predict phase behavior of clathrate hydrates in the absence and presence of methanol based on the genetic algorithm. Journal of Chemical Thermodynamics, 2013, 57, 286-294.	1.0	10
31	1-Methyl-3-(2-(Sulfooxy)Ethyl)-1H-Imidazol-3-ium Thiocyanate as A Novel, Green, and Efficient Brønsted Acidic Ionic Liquid-Promoted Regioselective Thiocyanation of Aromatic and Heteroaromatic Compounds at Room Temperature. Phosphorus, Sulfur and Silicon and the Related Elements, 2014, 189, 333-342.	0.8	10
32	Biosorption-based dispersive liquid-liquid microextraction combined with polypyrrole-coated magnetic nanoparticles as an effective sorbent for the extraction of ibuprofen from water samples using magnetic solid-phase extraction. Electrophoresis, 2017, 38, 2765-2770.	1.3	10
33	One-Pot and Three-Component synthesis of Substituted Pyrimidines Catalysed by Boron Sulfuric Acid under Solvent-Free Conditions. Journal of Chemical Research, 2014, 38, 524-527.	0.6	8
34	N-Propylsulfamic acid supported onto magnetic Fe ₃ O ₄ nanoparticles (MNPs-PSA) as a green and reusable heterogeneous nanocatalyst for the chemoselective preparation and deprotection of acylals. Research on Chemical Intermediates, 2017, 43, 6677-6689.	1.3	8
35	Fe ₃ O ₄ @APTES@isatin-SO ₃ H as heterogeneous and efficient catalyst for the synthesis of quinoxaline derivatives. Eurasian Chemical Communications, 2020, 2, 626-633.	1.1	8
36	Boron sulfuric acid as an efficient heterogeneous catalyst for the synthesis of 1-substituted 1H-1,2,3,4-tetrazoles in polyethylene glycol. Eurasian Chemical Communications, 2020, 2, 812-818.	1.1	8

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37	Facile Method of Quinoxaline Synthesis Using Phenol as a New, Efficient and Cheap Catalyst at Room Temperature. <i>American Journal of Organic Chemistry</i> , 2012, 2, 97-104.	1.0	8
38	Revisiting of Boron Sulfonic Acid Applications in Organic Synthesis: Mini-Review. <i>Journal of Chemical Reviews</i> , 2019, 1, 35-46.	3.5	7
39	Design and Preparation of Copper(II)â€“Mesalamine Complex Functionalized on Silica-Coated Magnetite Nanoparticles and Study of Its Catalytic Properties for Green and Multicomponent Synthesis of Highly Substituted 4<i>H</i>-Chromenes and Pyridines. <i>ACS Omega</i> , 2022, 7, 14972-14984.	1.6	7
40	Estimation of Thermomechanical Fatigue Lifetime of Ball Grid Solder Joints in Electronic Devices Using a Machine Learning Approach. <i>Journal of Electronic Materials</i> , 2022, 51, 3495-3503.	1.0	6
41	A quantitative structureâ€“activity relationship study of anti-HIV activity of substituted HEPT using nonlinear models. <i>Medicinal Chemistry Research</i> , 2013, 22, 5442-5452.	1.1	5
42	Application of PRSV2 equation of state and explicit pressure dependence of the Langmuir adsorption constant to study phase behavior of gas hydrates in the presence and absence of methanol. <i>Fluid Phase Equilibria</i> , 2012, 333, 63-73.	1.4	4
43	1-Methyl-3-(2-(sulfooxy)ethyl)-1H-imidazol-3-ium Chloride as a New and Green Ionic Liquid Catalyst for One-Pot Synthesis of Dihydropyrimidinones under Solvent-Free Condition. <i>Journal of Chemistry</i> , 2013, 2013, 1-6.	0.9	4
44	Regioselective Thiocyanation of Aromatic and Heteroaromatic Compounds by Using Boron Sulfonic Acid as a New, Efficient, and Cheap Catalyst in Water. <i>Journal of Chemistry</i> , 2013, 2013, 1-6.	0.9	4
45	Role of aging temperature on thermomechanical fatigue lifetime of solder joints in electronic systems. <i>Soldering and Surface Mount Technology</i> , 2021, 33, 232-239.	0.9	4
46	Engineering of new Mg-based glassy compositions by a computational intelligence model. <i>Materials Letters</i> , 2021, 290, 129441.	1.3	4
47	An efficient facile and one-pot synthesis of 2-arylsubstituted benzimidazole derivatives using 1-methyl-3-(2-oxethyl)-1H-imidazol-3-ium-borate sulfonic acid as a recyclable and highly efficient ionic liquid catalyst at green condition. <i>Eurasian Chemical Communications</i> , 2019, 1, 191-199.	1.1	4
48	Regioselective Thiocyanation of Aromatic and Heteroaromatic Compounds Using [2-(Sulfooxy)ethyl]sulfamic Acid as an Efficient, Recyclable Organocatalyst and Novel Difunctional Brønsted Acid. <i>Journal of Catalysts</i> , 2013, 2013, 1-7.	0.5	3
49	Preparation of a new, green and recyclable catalyst, silica-supported of 14-aryl-14H-dibenzo[a,j]xanthene derivatives. <i>Applied Petrochemical Research</i> , 2018, 8, 97-105.	1.3	3
50	Application of a novel nano-immobilization of ionic liquid on an MCM-41 system for trimethylsilylation of alcohols and phenols with hexamethyldisilazane. <i>Research on Chemical Intermediates</i> , 2018, 44, 7093-7106.	1.3	3
51	Task specific ionic liquid as solvent, catalyst and reagent for regioselective ring opening of epoxides in water. <i>Arabian Journal of Chemistry</i> , 2019, 12, 2098-2103.	2.3	3
52	Synthesis of Novel Phthalocyanine and Using It as a Heterogeneous, Reusable and Efficient Catalyst for the Oxidation of Alcohols. <i>Current Catalysis</i> , 2013, 2, 151-158.	0.5	3
53	Prediction of octanolâ€“water partition coefficients of organic chemicals by QSAR models. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 1267-1278.	0.6	2
54	Theoretical Determination of Molecular Weight of AB2Dendrimers. <i>E-Journal of Chemistry</i> , 2009, 6, 681-684.	0.4	1

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55	Determination of molecular weight and molecular radius of the polyamido carboxylic acid dendrimer using generation numbers. <i>Polymer</i> , 2009, 50, 5605-5607.	1.8	1
56	A Novel and Sensitive Method for the Determination of VitaminB2(Riboflavin) in Urine and Pharmaceutical Samples Using an Aqueous Two-Phase Extraction. <i>Journal of Chemistry</i> , 2013, 2013, 1-5.	0.9	1
57	The Modification of Poly amidoamine (PAMAM-G0.5) by Cytosine. <i>Engineering</i> , 2012, 04, 103-105.	0.4	1
58	Thermokinetic study of Fischer-Tropsch synthesis on Fe ₂ Cu ₁ and FeCu surfaces with comparison to Fe(110) and Cu(111) catalysts by the UBI-QEP method. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 1305-1310.	1.2	0
59	Role of thermal history on atomic structure and ductility of ion-irradiated metallic glasses. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2022, 30, 025002.	0.8	0