

Sami Sajjadifar

List of Publications by Year in descending order

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72
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72
docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Role of thermal history on atomic structure and ductility of ion-irradiated metallic glasses. Modelling and Simulation in Materials Science and Engineering, 2022, 30, 025002.	0.8	0
2	Magnetic Silica-Coated Picolylamine Copper Complex [Fe ₃ O ₄ @SiO ₂ @GP/Picolylamine-Cu(II)]-Catalyzed Biginelli Annulation Reaction. Inorganic Chemistry, 2022, 61, 992-1010.	1.9	51
3	Design and Preparation of Copper(II)-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. ACS Omega, 2022, 7, 14972-14984.	1.6	7
4	Estimation of Thermomechanical Fatigue Lifetime of Ball Grid Solder Joints in Electronic Devices Using a Machine Learning Approach. Journal of Electronic Materials, 2022, 51, 3495-3503.	1.0	6
5	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. Scientific Reports, 2021, 11, 4515.	1.6	45
6	Role of aging temperature on thermomechanical fatigue lifetime of solder joints in electronic systems. Soldering and Surface Mount Technology, 2021, 33, 232-239.	0.9	4
7	Engineering of new Mg-based glassy compositions by a computational intelligence model. Materials Letters, 2021, 290, 129441.	1.3	4
8	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. ACS Omega, 2021, 6, 25608-25622.	1.6	58
9	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
10	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
11	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
12	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
13	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
14	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
15	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- <i>d</i>]pyrimidines. Journal of the Chinese Chemical Society, 2019, 66, 307-315.	0.8	31
16	Isatin-SO ₃ H coated on amino propyl modified magnetic nanoparticles (Fe ₃ O ₄ @APTES@isatin-SO ₃ H) as a recyclable magnetic nanoparticle for the simple and rapid synthesis of pyrano[2,3- <i>d</i>] pyrimidines derivatives. Applied Organometallic Chemistry, 2019, 33, e4602.	1.7	25
17	Soft, Self-Assembly Liquid Crystalline Nanocomposite for Superior Switching. Electronic Materials Letters, 2019, 15, 84-101.	1.0	52
18	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. Microchemical Journal, 2019, 146, 106-114.	2.3	27

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19	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
20	An efficient facile and one-pot synthesis of 2-arylsubstituted benzimidazole derivatives using 1-methyl-3-(2-oxyethyl)-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
21	Revisiting of Boron Sulfonic Acid Applications in Organic Synthesis: Mini-Review. <i>Journal of Chemical Reviews</i> , 2019, 1, 35-46.	3.5	7
22	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
23	Novel Brønsted acidic ionic liquids catalyzed one-pot reaction of highly green regioselective thiocyanation of <i>N</i> -containing aromatic and heteroaromatic compounds at room temperature. <i>Journal of Sulfur Chemistry</i> , 2018, 39, 294-307.	1.0	12
24	Zn ₃ (BTC) ₂ as a Metal-Organic Framework and Effective Catalyst for the Regioselective <i>β</i> -Azidoalcohols and <i>β</i> -Thiocyanohydrins of Epoxides in Water. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 837-846.	1.9	13
25	Silver, iron, and nickel immobilized on hydroxyapatite-core-shell $\text{Fe}_2\text{O}_3/\text{O}_3$ 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
26	Zn ₃ (BTC) ₂ as a Highly Efficient Reusable Catalyst for the Synthesis of 2-Aryl-1H-benzimidazole. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 205-211.	0.8	13
27	Applications of iron and nickel immobilized on hydroxyapatite-core-shell $\text{Fe}_2\text{O}_3/\text{O}_3$ 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
28	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
29	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
30	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
31	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. <i>Electrophoresis</i> , 2017, 38, 2765-2770.	1.3	10
32	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. <i>Research on Chemical Intermediates</i> , 2017, 43, 6677-6689.	1.3	8
33	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
34	Silica Boron Sulfonic Acid as a New and Efficient Catalyst for the Green Synthesis of Quinoxaline Derivatives at Room Temperature. <i>Chemical Methodologies</i> , 2017, 1, 1-14.	1.8	11
35	Ni ²⁺ supported on hydroxyapatite-core-shell Fe_2O_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
36	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

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37	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
38	One-pot and solvent-free synthesis of aliphatic and aromatic 1H-indazolo[2,1-b]phthalazinetriones catalyzed by boron sulfonic acid. <i>Monatshefte für Chemie</i> , 2014, 145, 1353-1356.	0.9	11
39	One-Pot and Three-Component synthesis of Substituted Pyrimidines Catalysed by Boron Sulfuric Acid under Solvent-Free Conditions. <i>Journal of Chemical Research</i> , 2014, 38, 524-527.	0.6	8
40	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. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2014, 189, 333-342.	0.8	10
41	A new recyclable 1,4-bis(3-methylimidazolium-1-yl)butane ditribromide [bmImB]Br ₃ ionic liquid reagent for selective bromination of anilines or phenols and \pm -bromination of alkanones under mild conditions. <i>RSC Advances</i> , 2014, 4, 25898-25903.	1.7	14
42	A quantitative structure-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
43	An accurate thermodynamic model to predict phase behavior of clathrate hydrates in the absence and presence of methanol based on the genetic algorithm. <i>Journal of Chemical Thermodynamics</i> , 2013, 57, 286-294.	1.0	10
44	A Novel and Sensitive Method for the Determination of Vitamin B2 (Riboflavin) in Urine and Pharmaceutical Samples Using an Aqueous Two-Phase Extraction. <i>Journal of Chemistry</i> , 2013, 2013, 1-5.	0.9	1
45	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
46	Prediction of octanol-water partition coefficients of organic chemicals by QSAR models. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 1267-1278.	0.6	2
47	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
48	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
49	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
50	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
51	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
52	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
53	Simple and Highly Efficient Catalytic Thiocyanation of Aromatic Compounds in Aqueous Media. <i>Helvetica Chimica Acta</i> , 2012, 95, 106-114.	1.0	36
54	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

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55	Facile Method of Quinoxaline Synthesis Using Phenol as a New, Efficient and Cheap Catalyst at Room Temperature. American Journal of Organic Chemistry, 2012, 2, 97-104.	1.0	8
56	The Modification of Poly amidoamine (PAMAM-G0.5) by Cytosine. Engineering, 2012, 04, 103-105.	0.4	1
57	New 3H-Indole Synthesis by Fischer's Method. Part I.. Molecules, 2010, 15, 2491-2498.	1.7	10
58	Theoretical Determination of Molecular Weight of AB2Dendrimers. E-Journal of Chemistry, 2009, 6, 681-684.	0.4	1
59	Determination of molecular weight and molecular radius of the polyamido carboxylic acid dendrimer using generation numbers. Polymer, 2009, 50, 5605-5607.	1.8	1