

Barahman Movassagh

List of Publications by Year in descending order

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83
papers

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citations

331670

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414414

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107
all docs

107
docs citations

107
times ranked

1551
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium(II)-Schiff base complex supported on multi-walled carbon nanotubes: A heterogeneous and reusable catalyst in the Suzuki-Miyaura and copper-free Sonogashira-Hagihara reactions. <i>Journal of Organometallic Chemistry</i> , 2013, 743, 63-69.	1.8	73
2	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. <i>Applied Catalysis A: General</i> , 2014, 472, 123-133.	4.3	60
3	Magnetic Solid Sulfonic Acid Decorated with Hydrophobic Regulators: A Combinatorial and Magnetically Separable Catalyst for the Synthesis of α -Aminonitriles. <i>ACS Combinatorial Science</i> , 2014, 16, 352-358.	3.8	57
4	An efficient and convenient KF/Al ₂ O ₃ mediated synthesis of nitriles from aldehydes. <i>Tetrahedron Letters</i> , 2005, 46, 6923-6925.	1.4	54
5	A magnetic porous chitosan-based palladium catalyst: a green, highly efficient and reusable catalyst for Mizoroki-Heck reaction in aqueous media. <i>New Journal of Chemistry</i> , 2015, 39, 7988-7997.	2.8	48
6	One-pot synthesis of β -hydroxythioethers from styrenes and disulfides using the Zn/AlCl ₃ system. <i>Tetrahedron Letters</i> , 2008, 49, 6712-6714.	1.4	42
7	Polystyrene resin-supported CuI-cryptand 22 complex: a highly efficient and reusable catalyst for three-component synthesis of 1,4-disubstituted 1,2,3-triazoles under aerobic conditions in water. <i>Tetrahedron</i> , 2014, 70, 8885-8892.	1.9	40
8	Michael addition of thiols to α,β -unsaturated carbonyl compounds under solvent-free conditions. <i>Arkivoc</i> , 2006, 2006, 130-137.	0.5	39
9	Synthesis of polystyrene-supported Pd(II)-NHC complex derived from theophylline as an efficient and reusable heterogeneous catalyst for the Heck-Matsuda cross-coupling reaction. <i>Journal of Molecular Catalysis A</i> , 2016, 418-419, 158-167.	4.8	38
10	Magnetic nanoparticle-supported Pd(II)-cryptand 22 complex: An efficient and reusable heterogeneous precatalyst in the Suzuki-Miyaura coupling and the formation of aryl-sulfur bonds. <i>Journal of Molecular Catalysis A</i> , 2015, 401, 55-65.	4.8	37
11	Synthesis of Thiocarbamates from Thiols and Isocyanates Under Catalyst- and Solvent-Free Conditions. <i>Monatshefte für Chemie</i> , 2008, 139, 137-140.	1.8	36
12	Multi-walled carbon nanotubes functionalized with a palladium(II)-Schiff base complex: A recyclable and heterogeneous catalyst for the copper-, phosphorous- and solvent-free synthesis of ynones. <i>Applied Catalysis A: General</i> , 2013, 452, 24-28.	4.3	35
13	Iron-Catalyzed Formation of C-Se and C-Te Bonds through Cross Coupling of Aryl Halides with Se(0) and Te(0)/Nano-Fe ₃ O ₄ @GO. <i>Synthesis</i> , 2013, 45, 2337-2342.	2.3	32
14	A General and Highly Efficient Protocol for the Synthesis of Chalcogenoacetylenes by Copper(I)-Terpyridine Catalyst. <i>Synlett</i> , 2014, 25, 1385-1390.	1.8	32
15	Pd(II) salen complex covalently anchored to multi-walled carbon nanotubes as a heterogeneous and reusable precatalyst for Mizoroki-Heck and Hiyama cross-coupling reactions. <i>Applied Organometallic Chemistry</i> , 2015, 29, 40-44.	3.5	30
16	Polystyrene-resin supported N-heterocyclic carbene-Pd(II) complex based on plant-derived theophylline: A reusable and effective catalyst for the Suzuki-Miyaura cross-coupling reaction of arenediazonium tetrafluoroborate salts with arylboronic acids. <i>Journal of Organometallic Chemistry</i> , 2016, 822, 62-66.	1.8	30
17	Stereo- and Regioselective Zinc-Mediated Ring-Opening of Epoxides with Diselenides. <i>Synlett</i> , 2005, 2005, 1316-1318.	1.8	27
18	Zn/RuCl ₃ -Promoted Cleavage of Diselenides: An Efficient Michael Addition of Zinc Selenolates to Conjugated Alkenes in Aqueous Media. <i>Synlett</i> , 2007, 2007, 1954-1956.	1.8	27

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19	A Highly Efficient Copper-Catalyzed Synthesis of Unsymmetrical Diaryl- and Aryl Alkyl Chalcogenides from Aryl Iodides and Diorganyl Disulfides and Diselenides. <i>Synlett</i> , 2016, 27, 777-781.	1.8	25
20	Synthesis of Selenol Esters from Acid Chlorides and Organic Diselenides in the Presence of the Zn/AlCl ₃ System. <i>Monatshefte für Chemie</i> , 2003, 134, 831-835.	1.8	23
21	Cryptand-22 as an efficient ligand for the copper-catalyzed cross-coupling reaction of diorgano dichalcogenides with terminal alkynes leading to the synthesis of alkynyl chalcogenides. <i>Tetrahedron Letters</i> , 2014, 55, 1613-1615.	1.4	22
22	A polystyrene supported [PdCl ₂ (SeCSe)] complex: a novel, reusable and robust heterogeneous catalyst for the Sonogashira synthesis of 1,2-disubstituted alkynes and 1,3-enynes. <i>New Journal of Chemistry</i> , 2018, 42, 11471-11479.	2.8	21
23	Water promoted catalyst-free anti-Markovnikov addition of thiols to styrenes. <i>Arkivoc</i> , 2008, 2008, 47-53.	0.5	21
24	A New One-pot Synthesis of Thiocarbamates from Isocyanates and Disulfides in the Presence of Zn/AlCl ₃ System. <i>Chemistry Letters</i> , 2005, 34, 1330-1331.	1.3	20
25	Zinc-Mediated Cleavage of Diselenides: A Novel Synthesis of Unsymmetrical Diorganyl Selenides in Aqueous Media. <i>Synlett</i> , 2005, 2005, 121-122.	1.8	20
26	Potassium Fluoride Doped on Alumina: An Efficient Catalyst for Conversion of Aldoximes Into Nitriles. <i>Synthetic Communications</i> , 2005, 35, 887-890.	2.1	19
27	Î±-Phenylselenenylation of aldehydes and ketones with diphenyl diselenide mediated by KF/Al ₂ O ₃ . <i>Tetrahedron Letters</i> , 2009, 50, 1453-1455.	1.4	19
28	Palladium- and Solvent-Free Synthesis of Ynones by Copper(I)-Catalyzed Acylation of Terminal Alkynes with Acyl Chlorides under Aerobic Conditions. <i>Helvetica Chimica Acta</i> , 2014, 97, 70-75.	1.6	19
29	A Facile KF/Al ₂ O ₃ -mediated, One-pot Synthesis of Symmetrical Trithiocarbonates from Alkyl Halides and Carbon Disulfide. <i>Chemistry Letters</i> , 2008, 37, 22-23.	1.3	18
30	Environmentally Sustainable Magnetic Solid Sulfonic Acid: An Efficient and Reusable Catalyst for the Pechmann Reaction. <i>Synlett</i> , 2015, 26, 1263-1268.	1.8	18
31	A magnetic solid sulfonic acid modified with hydrophobic regulators: an efficient recyclable heterogeneous catalyst for one-pot aza-Michael-type and Mannich-type reactions of aldehydes, ketones, and amines. <i>Tetrahedron Letters</i> , 2015, 56, 1851-1854.	1.4	17
32	A novel green corrosion inhibitor based on task-specific benzimidazolium ionic liquid for carbon steel in HCl. <i>Corrosion Engineering Science and Technology</i> , 2020, 55, 589-601.	1.4	17
33	Stereo- and Regioselective Thiolytic of 1,2-Epoxy in Water. <i>Synthetic Communications</i> , 2007, 37, 3239-3244.	2.1	16
34	Triethylamine-catalyzed one-pot synthesis of trithiocarbonates from carbon disulfide, thiols, and alkyl halides in water. <i>Monatshefte für Chemie</i> , 2008, 139, 927-930.	1.8	16
35	Magnetic iron oxide nanoparticles as an efficient and recyclable catalyst for the solvent-free synthesis of sulfides, vinyl sulfides, thiol esters, and thia-Michael adducts. <i>Monatshefte für Chemie</i> , 2015, 146, 135-142.	1.8	16
36	Synthesis of Organic Sulfides from Disulfides Using a Zn/AlCl ₃ System in Aqueous Media. <i>Journal of Chemical Research</i> , 2000, 2000, 350-351.	1.3	15

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37	Convenient Synthesis of Thiol Esters from Acyl Chlorides and Disulfides Using Zn/AlCl ₃ . Monatshefte für Chemie, 2002, 133, 1085-1088.	1.8	14
38	Nucleophilic cleavage of lactones and esters with zinc selenolates prepared from diselenides in the presence of Zn/AlCl ₃ . Tetrahedron Letters, 2009, 50, 438-441.	1.4	14
39	Palladium chloride-cryptand-22 complex: an efficient catalyst for the copper-, phosphorus-, and solvent-free synthesis of ynones. Monatshefte für Chemie, 2013, 144, 1363-1367.	1.8	14
40	Reductive Cleavage of S-S Bond by Zn/AlCl ₃ System: A Novel Method for the Synthesis of Sulfides from Alkyl Tosylates and Disulfides. Synthetic Communications, 2004, 34, 1685-1690.	2.1	13
41	A simple and effective approach to the synthesis of alkynyl selenides from terminal alkynes. Chinese Chemical Letters, 2012, 23, 1035-1038.	9.0	13
42	K ₃ PO ₄ -mediated one-pot synthesis of symmetrical trithiocarbonates. Journal of Sulfur Chemistry, 2013, 34, 222-226.	2.0	13
43	Dodecylbenzenesulfonic Acid: A Highly Efficient Catalyst for One-Pot Synthesis of Aminophosphonates in Aqueous Media. Heteroatom Chemistry, 2013, 24, 174-178.	0.7	13
44	Polystyrene resin-supported CuI-cryptand 22 complex: a highly efficient and reusable catalyst for the formation of aryl-sulfur bonds in aqueous media. Tetrahedron Letters, 2016, 57, 1625-1628.	1.4	12
45	Removal of Disperse Blue 56 and Disperse Red 135 dyes from aqueous dispersions by modified montmorillonite nanoclay. Chemical Industry and Chemical Engineering Quarterly, 2017, 23, 21-29.	0.7	12
46	Formation of Zinc Thiolates by Reductive Cleavage of Disulfides with the Zn/AlCl ₃ System in Aqueous Media, and their Use for Michael Addition. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2006, 61, 47-49.	0.7	11
47	Synthesis of sulfides under solvent- and catalyst-free conditions. Monatshefte für Chemie, 2009, 140, 409-411.	1.8	11
48	N,N-Triphenylselenylisocyanuric Acid (TPSCA): A New Versatile Reagent for Phenylselenenylation of Aldehydes and Ketones. Synlett, 2015, 26, 2247-2252.	1.8	11
49	Polystyrene-supported Pd(II)-N-heterocyclic carbene complex as a heterogeneous and recyclable precatalyst for cross-coupling of acyl chlorides with arylboronic acids. Applied Organometallic Chemistry, 2018, 32, e3982.	3.5	11
50	A new and efficient protocol for preparation of thiol esters from carboxylic acids and thiols in the presence of 2-(1H-benzotriazole-1-yl)-1,1,3,3-tetramethyluronium tetrafluoroborate (TBTU). Arkivoc, 2007, 2007, 47-52.	0.5	11
51	Direct Synthesis of Aromatic Nitriles from Aldehydes Using Hydroxylamine and Oxalyl Chloride. Synthetic Communications, 2007, 37, 623-628.	2.1	10
52	K ₃ PO ₄ -catalyzed one-pot synthesis of α -amino ketones. Monatshefte für Chemie, 2012, 143, 1503-1506.	1.8	10
53	Efficient One-Pot Synthesis of α -Acetamido Carbonyl Compounds Using Fe ₃ O ₄ Nanoparticles. Helvetica Chimica Acta, 2013, 96, 1943-1947.	1.6	10
54	Cryptand-22 as an Efficient Ligand for the Palladium-Catalyzed Mizoroki-Heck Reaction under Air. Synlett, 2013, 24, 2671-2674.	1.8	10

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55	$\hat{\text{I}}^{\pm}$ -Organylchalcogenation of aldehydes and ketones with diorganyl dichalcogenides promoted by K_3PO_4 . <i>Monatshefte für Chemie</i> , 2014, 145, 1173-1177.	1.8	9
56	A Facile and Efficient One-Pot Regioselective Synthesis of 2-Hydroxyalkyl Dithiocarbamates under Catalyst-Free Conditions. <i>International Journal of Organic Chemistry</i> , 2012, 02, 248-253.	0.7	9
57	Mild and Efficient One-Pot Synthesis of 3,5-Disubstituted 1,2,4-Oxadiazoles from Nitriles Mediated by K_3PO_4 . <i>Synthetic Communications</i> , 2014, 44, 188-194.	2.1	8
58	Multiwalled Carbon Nanotubes Supported Pd(II)-Salen Complex: An Effective, Phosphorous-Free, and Reusable Heterogeneous Precatalyst for the Synthesis of Diaryl Ketones. <i>Helvetica Chimica Acta</i> , 2016, 99, 747-752.	1.6	8
59	Kryptofix 5 as an inexpensive and efficient ligand for the palladium-catalyzed Mizoroki-Heck reaction. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4224.	3.5	8
60	Reductive Cleavage of the Se-Se Bond in the Presence of a Zn/ AlCl_3 System: Synthesis of Selenol Esters. <i>Journal of Chemical Research</i> , 2004, 2004, 148-149.	1.3	7
61	Reductive Cleavage of S-S Bond by Zn/ AlCl_3 System: A Novel Method for the Synthesis of Sulfides from Alkyl Tosylates and Disulfides. <i>Synthetic Communications</i> , 2004, 34, 2337-2343.	2.1	7
62	ZrCl ₄ -Catalyzed Synthesis of $\hat{\text{I}}^2$ -Aminosulfides from Aziridines and Thiols. <i>Synthetic Communications</i> , 2012, 42, 2121-2130.	2.1	7
63	Desilylation-acetylation of Trimethylsilyl Ethers with Acetic Anhydride Catalysed by Montmorillonite K-10. <i>Journal of Chemical Research</i> , 2000, 2000, 348-349.	1.3	6
64	KF/ Al_2O_3 catalysed synthesis of thiol esters from <i>N</i> -acylphthalimides and thiols. <i>Journal of Chemical Research</i> , 2006, 2006, 369-370.	1.3	6
65	Zinc-Mediated Cleavage of Diselenides: A Novel Synthesis of Selenoformates in Aqueous Media. <i>Monatshefte für Chemie</i> , 2007, 138, 863-865.	1.8	6
66	Synthesis of S-Aryl/Alkyl Thiocarbonates from Disulfides and Chloroformates in the Presence of the Zn/ AlCl_3 System. <i>Monatshefte für Chemie</i> , 2008, 139, 251-253.	1.8	6
67	Convenient Route to Thiocarbonates from Alcohols, Thiols, and Triphosgene. <i>Synthetic Communications</i> , 2010, 40, 3467-3471.	2.1	6
68	One-pot synthesis of selenocarbamates from isocyanates and diselenides using the Zn/ AlCl_3 system. <i>Chinese Chemical Letters</i> , 2013, 24, 192-194.	9.0	6
69	Zinc-Mediated Synthesis of Diaryl Selenides from Diaryl Diselenides and Diaryliodonium Salts in Aqueous Media. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2006, 61, 194-196.	0.7	4
70	An Efficient One-Pot Conversion of THP- and TMS Ethers to Sulfonate Esters Using FeCl ₃ -Montmorillonite K-10 Clay. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005, 60, 763-765.	0.7	3
71	The Reaction Between Diphenyliodonium Iodide and Disulfides in the Presence of a Zn/ AlCl_3 System: A Convenient Method for the Synthesis of Organic Sulfides. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 2275-2278.	1.6	3
72	Highly Efficient One-Step Conversion of Selenol Esters into Symmetrical Diselenides in the Presence of Elemental Iodine in Methanolic Solution. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2009, 185, 154-157.	1.6	3

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73	Regioselective ring-opening of aziridines with diselenides and disulfides using the Zn/AlCl ₃ system. <i>Journal of Sulfur Chemistry</i> , 2011, 32, 117-122.	2.0	3
74	Transformation of β -Nitrostyrenes to Carboxylic Acids Using Amberlyst A-26 Supported Hydroperoxide. <i>Monatshefte für Chemie</i> , 2002, 133, 1193-1196.	1.8	2
75	AN EFFICIENT, ONE-POT SYNTHESIS OF ALKYL ARYLSELENOFORMATES USING THE ZINC-RUTHENIUM CHLORIDE SYSTEM IN AQUEOUS MEDIA. <i>Organic Preparations and Procedures International</i> , 2008, 40, 477-481.	1.3	2
76	[bmim]OH-promoted one-pot, three-component synthesis of β -nitro sulfides in water. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 1114-1117.	1.6	2
77	Experimental and theoretical evaluation of two benzimidazole derivatives for steel corrosion protection in HCl. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2019, 14, e2349.	1.5	2
78	Direct Conversion of Trimethylsilyl and Tetrahydropyranyl Ethers into Esters with Acid Chlorides in the Presence of Montmorillonite K-10. <i>Synthetic Communications</i> , 2003, 33, 3907-3912.	2.1	1
79	Direct Conversion of Trimethylsilyl and Tetrahydropyranyl Ethers into Esters with Acid Chlorides in the Presence of Montmorillonite K-10. <i>ChemInform</i> , 2004, 35, no.	0.0	0
80	Reductive Cleavage of S-C-S Bond by Zn/AlCl ₃ System: A Novel Method for the Synthesis of Sulfides from Alkyl Tosylates and Disulfides. <i>ChemInform</i> , 2004, 35, no.	0.0	0
81	Reductive Cleavage of S-C-S Bond by Zn/AlCl ₃ System: A Novel Method for the Synthesis of Sulfides from Alkyl Tosylates and Disulfides. <i>ChemInform</i> , 2004, 35, no.	0.0	0
82	Potassium Fluoride Doped on Alumina: An Efficient Catalyst for Conversion of Aldoximes into Nitriles. <i>ChemInform</i> , 2005, 36, no.	0.0	0
83	An Efficient One-Pot Conversion of THP and TMS Ethers to Sulfonate Esters Using FeCl ₃ -Montmorillonite K-10 Clay. <i>ChemInform</i> , 2005, 36, no.	0.0	0