

M Hassan Beyzavi

List of Publications by Year in descending order

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61
papers

2,760
citations

304602

22
h-index

182361

51
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65
all docs

65
docs citations

65
times ranked

3704
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hafnium-Based Metal-Organic Framework as an Efficient and Multifunctional Catalyst for Facile CO ₂ Fixation and Regioselective and Enantioselective Epoxide Activation. <i>Journal of the American Chemical Society</i> , 2014, 136, 15861-15864.	6.6	470
2	Exploiting parameter space in MOFs: a 20-fold enhancement of phosphate-ester hydrolysis with UiO-66-NH ₂ . <i>Chemical Science</i> , 2015, 6, 2286-2291.	3.7	265
3	Metal-Organic Framework-Based Catalysts: Chemical Fixation of CO ₂ with Epoxides Leading to Cyclic Organic Carbonates. <i>Frontiers in Energy Research</i> , 2015, 2, .	1.2	225
4	A Hafnium-Based Metal-Organic Framework as a Nature-Inspired Tandem Reaction Catalyst. <i>Journal of the American Chemical Society</i> , 2015, 137, 13624-13631.	6.6	137
5	Ionic liquid triethylamine-bonded sulfonic acid {[Et ₃ N][SO ₃ H]Cl} as a novel, highly efficient and homogeneous catalyst for the synthesis of <i>o</i> -acetamido ketones, 1,8-dioxo-octahydroxanthenes and 14-aryl-14H-dibenzo[a,j]xanthenes. <i>Journal of Molecular Liquids</i> , 2012, 167, 69-77.	2.3	135
6	A highly stable and active magnetically separable Pd nanocatalyst in aqueous phase heterogeneously catalyzed couplings. <i>Green Chemistry</i> , 2013, 15, 2132.	4.6	131
7	Synthesis, characterization and application of ionic liquid 1,3-disulfonic acid imidazolium hydrogen sulfate as an efficient catalyst for the preparation of hexahydroquinolines. <i>Journal of Molecular Liquids</i> , 2013, 178, 113-121.	2.3	103
8	Applications of Dynamic Covalent Chemistry Concept toward Tailored Covalent Organic Framework Nanomaterials: A Review. <i>ACS Applied Nano Materials</i> , 2020, 3, 6239-6269.	2.4	96
9	Covalent Organic Frameworks for the Capture, Fixation, or Reduction of CO ₂ . <i>Frontiers in Energy Research</i> , 2019, 7, .	1.2	91
10	Reusable Porphyrinatoiron(III) Complex Supported on Activated Silica as an Efficient Heterogeneous Catalyst for a Facile, One-Pot, Selective Synthesis of 2-Arylbenzimidazole Derivatives in the Presence of Atmospheric Air as a Green Oxidant at Ambient Temperature. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 4126-4138.	1.2	85
11	¹⁸ F-Deoxyfluorination of Phenols via Ru(II)-Complexes. <i>ACS Central Science</i> , 2017, 3, 944-948.	5.3	74
12	Facile preparation of a nanostructured functionalized catalytically active organosalt. <i>Journal of Materials Chemistry A</i> , 2014, 2, 770-777.	5.2	66
13	Synthesis of hexahydroquinolines using the new ionic liquid sulfonic acid functionalized pyridinium chloride as a catalyst. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1936-1944.	6.9	63
14	Post-assembly transformations of porphyrin-containing metal-organic framework (MOF) films fabricated via automated layer-by-layer coordination. <i>Chemical Communications</i> , 2015, 51, 85-88.	2.2	54
15	A catalyst-free protocol for the green and efficient condensation of indoles with aldehydes in ionic liquids. <i>Canadian Journal of Chemistry</i> , 2009, 87, 416-421.	0.6	53
16	Bulk polymer nanoparticles containing a tetrakis(3-hydroxyphenyl)porphyrin for fast and highly selective separation of mercury ions. <i>Mikrochimica Acta</i> , 2013, 180, 791-799.	2.5	46
17	Catalytic Activity, Stability, and Loading Trends of Alcohol Dehydrogenase Enzyme Encapsulated in a Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26084-26094.	4.0	37
18	Preparation and Applications of Metal-Organic Frameworks (MOFs): A Laboratory Activity and Demonstration for High School and/or Undergraduate Students. <i>Journal of Chemical Education</i> , 2020, 97, 1109-1116.	1.1	34

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19	Mannich reaction of secondary amines, aldehydes and alkynes in water using Cu/C nanoparticles as a heterogeneous catalyst. <i>Journal of the Iranian Chemical Society</i> , 2011, 8, S89-S103.	1.2	32
20	Nano-2-(dimethylamino)-N-(silica-n-propyl)-N,N-dimethylethanaminium chloride as a novel basic catalyst for the efficient synthesis of pyrido[2,3-d:6,5-d']dipyrimidines. <i>New Journal of Chemistry</i> , 2019, 43, 2247-2257.	1.4	27
21	Pt(II)-Decorated Covalent Organic Framework for Photocatalytic Difluoroalkylation and Oxidative Cyclization Reactions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6349-6358.	4.0	27
22	Translation of HDAC6 PET Imaging Using [¹⁸ F]EKZ-001's cGMP Production and Measurement of HDAC6 Target Occupancy in Nonhuman Primates. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1093-1101.	1.7	26
23	Metal-Organic Frameworks and Covalent Organic Frameworks as Platforms for Photodynamic Therapy. <i>Comments on Inorganic Chemistry</i> , 2018, 38, 238-293.	3.0	24
24	Design and characterization of nano-silica-bonded 3-n-propyl-1-sulfonic acid imidazolium chloride {nano-SB-[PSIM]Cl} as a novel, heterogeneous and reusable catalyst for the condensation of arylaldehydes with 1 ² -naphthol and alkyl carbamates. <i>Research on Chemical Intermediates</i> , 2016, 42, 2365-2378.	1.3	22
25	Cycloplatinated(^{sc}) complexes bearing 1,1'-bis(diphenylphosphino)ferrocene ligand: biological evaluation and molecular docking studies. <i>New Journal of Chemistry</i> , 2018, 42, 2385-2392.	1.4	22
26	Synthesis and biological evaluation of thiolate gold(I) complexes as thioredoxin reductase (TrxR) and glutathione reductase (GR) inhibitors. <i>New Journal of Chemistry</i> , 2019, 43, 13173-13182.	1.4	22
27	Liquid-Phase Epitaxially Grown Metal-Organic Framework Thin Films for Efficient Tandem Catalysis Through Site-Isolation of Catalytic Centers. <i>ChemPlusChem</i> , 2016, 81, 708-713.	1.3	21
28	Synthesis of Functionalized <i>trans</i> -A ₂ B ₂ -Porphyrins Using Donor-Acceptor Cyclopropane-Derived Dipyromethanes. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1409-1422.	2.1	19
29	Sulfur-Decorated Hyper-Cross-Linked Coal Tar: A Microporous Organic Polymer for Efficient and Expedient Mercury Removal. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44117-44124.	4.0	19
30	(Thio)urea-Based Covalent Organic Framework as a Hydrogen-Bond-Donating Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29212-29217.	4.0	19
31	A Bioconjugated Chlorin-Based Metal-Organic Framework for Targeted Photodynamic Therapy of Triple Negative Breast and Pancreatic Cancers. <i>ACS Applied Bio Materials</i> , 2021, 4, 1432-1440.	2.3	19
32	Synthesis of Functionalized, Sterically Congested Calix[4]phyrin Macrocycles Using Donor-Acceptor-Substituted Cyclopropanes - First Example of a Mono-meso- <i>meso</i> -spirolactone Incorporated into a Calix[4]phyrin. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 269-282.	1.2	18
33	A C ^N Cycloplatinated(II) Fluoride Complex: Photophysical Studies and Csp ³ -F Bond Formation. <i>Inorganic Chemistry</i> , 2020, 59, 16319-16327.	1.9	17
34	Fluorinated Cycloplatinated(II) Complexes Bearing Bisphosphine Ligands as Potent Anticancer Agents. <i>Organometallics</i> , 2021, 40, 72-82.	1.1	17
35	Nitration of arenes by 1-sulfonylpyridinium nitrate as an ionic liquid and reagent by in situ generation of NO ₂ . <i>RSC Advances</i> , 2016, 6, 89572-89577.	1.7	16
36	Highly Emissive Cycloplatinated(II) Complexes Obtained by the Chloride Abstraction from the Complex [Pt(ppy)(PPh ₃)(Cl)]: Employing Various Silver Salts. <i>Organometallics</i> , 2018, 37, 2890-2900.	1.1	16

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37	Maltotriose Conjugated Metal-Organic Frameworks for Selective Targeting and Photodynamic Therapy of Triple Negative Breast Cancer Cells and Tumor Associated Macrophages. <i>Advanced Therapeutics</i> , 2020, 3, 2000029.	1.6	15
38	Probe metal binding mode of imine covalent organic frameworks: cycloiridation for (photo)catalytic hydrogen evolution from formate. <i>Chemical Science</i> , 2021, 12, 7930-7936.	3.7	14
39	Synthesis of New Functionalized Calix[<i>n</i>]phyrin Macrocycles with Varied Ring Sizes by Using a Sterically Congested Dipyrrromethane. <i>Chemistry - A European Journal</i> , 2013, 19, 6203-6208.	1.7	13
40	Synthesis, structural characterization, biological evaluation and molecular docking studies of new platinum(ii) complexes containing isocyanides. <i>New Journal of Chemistry</i> , 2018, 42, 8681-8692.	1.4	13
41	(Benzyl isocyanide)gold(I) pyrimidine- α -thiolate complex: Synthesis and biological activity. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4200.	1.7	12
42	Green and Facile Synthesis of Highly Photoluminescent Multicolor Carbon Nanocrystals for Cancer Therapy and Imaging. <i>ACS Applied Bio Materials</i> , 2018, 1, 1458-1467.	2.3	12
43	Magnetic Nanoparticle Anchored Deep Eutectic Solvents as a Catalyst for the Etherification and Amination of Naphthols. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4372-4380.	2.1	12
44	Catalyst-Enabled <i>In Situ</i> Linkage Reduction in Imine Covalent Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21740-21747.	4.0	12
45	Multicomponent Synthesis of Diversified Chromeno[3,2- <i>d</i>]oxazoles. <i>ACS Combinatorial Science</i> , 2019, 21, 557-561.	3.8	10
46	Recombinant Peptide Fusion Protein-Templated Palladium Nanoparticles for Suzuki-Miyaura and Stille Coupling Reactions. <i>ChemCatChem</i> , 2020, 12, 2942-2946.	1.8	10
47	trans-Platinum(II) Thionate Complexes: Synthesis, Structural Characterization, and <i>in vitro</i> Biological Assessment as Potent Anticancer Agents. <i>ChemPlusChem</i> , 2019, 84, 1525-1535.	1.3	9
48	Aryliodoazide Synthons: A Different Approach for Diversified Synthesis of 2-Aminothiazole, 1,3-Thiazole, and 1,3-Selenazole Scaffolds. <i>ACS Combinatorial Science</i> , 2019, 21, 516-521.	3.8	9
49	Charge Transport through Self-Assembled Monolayers of Monoterpenoids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8097-8102.	7.2	9
50	Using a Faculty-Developed Documentary-Style Film to Communicate Authentic Chemistry Research to a High School Audience. <i>Journal of Chemical Education</i> , 2020, 97, 2351-2355.	1.1	8
51	Research Update: A hafnium-based metal-organic framework as a catalyst for regioselective ring-opening of epoxides with a mild hydride source. <i>APL Materials</i> , 2014, 2, .	2.2	7
52	A Nanostructured Organic-Inorganic Hybrid Material: Preparation, Characterization and Catalytic Performance for the Synthesis of <i>N,N</i> -Alkylidene Bisamides. <i>ChemistrySelect</i> , 2019, 4, 3953-3960.	0.7	7
53	Recombinant peptide fusion construction for protein-templated catalytic palladium nanoparticles. <i>Biotechnology Progress</i> , 2020, 36, e2956.	1.3	7
54	Fluoride etched Ni-based electrodes as economic oxygen evolution electrocatalysts. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 1613-1623.	3.8	7

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55	Metal-free and benign approach for the synthesis of dihydro-5H-spiro[benzo[<i>c</i>]chromene-8,4'-oxazole]-5,6(7 <i>H</i>)-dione scaffolds as masked amino acids. <i>Green Chemistry</i> , 2019, 21, 2656-2661.		6
56	The Utilization of Para-Substituted Triphenylphosphine Derivatives to Synthesize Highly Emissive Cyclometalated Platinum(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4821.	1.0	6
57	Radiosynthesis, in vitro and preliminary in vivo evaluation of the novel glutamine derived PET tracers [¹⁸ F]fluorophenylglutamine and [¹⁸ F]fluorobiphenylglutamine. <i>Nuclear Medicine and Biology</i> , 2020, 86-87, 20-29.	0.3	5
58	Condensation of Aryl Aldehydes, 2-naphthol, and Thioacetamide Catalyzed by <i>N</i> -halo Reagents in Neutral Media. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 850-854.	0.8	3
59	Charge Transport through Self-Assembled Monolayers of Monoterpenoids. <i>Angewandte Chemie</i> , 2019, 131, 8181-8186.	1.6	2
60	Micro-flow nanocatalysis: synergic effect of TfOH@SPIONS and micro-flow technology as an efficient and robust catalytic system for the synthesis of plasticizers. <i>RSC Advances</i> , 2018, 8, 37835-37840.	1.7	1
61	Straightforward and Expeditious One-Pot Tandem Synthesis of 3,5-Diaryl-1,2,4-Selenadiazoles from Aryl Nitriles. <i>Synthesis</i> , 2019, 51, 4279-4283.	1.2	0