Rahim Ghadari

List of Publications by Year
in descending order

72	1,310	304743 22	395702 33
papers	citations	h-index	g-index

81	81	81	1456
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of Highly Functionalized Bis(4H-chromene) and 4H-Benzo[g]chromene Derivatives via an Isocyanide-Based Pseudo-Five-Component Reaction. Journal of Organic Chemistry, 2009, 74, 4372-4374.	3.2	112
2	Novel One-Pot Three- and Pseudo-Five-Component Reactions: Synthesis of Functionalized Benzo[g]- and Dihydropyrano[2,3-g]chromene Derivatives. ACS Combinatorial Science, 2009, 11, 956-959.	3.3	109
3	Coumarin synthesis via Knoevenagel condensation reaction in 1,1,3,3-N,N,Nâ€²,Nâ€²-tetramethylguanidinium trifluoroacetate ionic liquid. Journal of the Iranian Chemical Society, 2009, 6, 710-714.	2.2	50
4	Anthraceneâ€“arylamine hole transporting materials for perovskite solar cells. Chemical Communications, 2017, 53, 9558-9561.	4.1	45
5	Thiopheneâ€“Arylamine Holeâ€Transporting Materials in Perovskite Solar Cells: Substitution Position Effect. Energy Technology, 2017, 5, 1788-1794.	3.8	44
6	An environmentally benign approach for the synthesis of bifunctional sulfonamide-amide compounds via isocyanide-based multicomponent reactions. Green Chemistry, 2011, 13, 582.	9.0	42
7	Ferrocene based nonlinear optical chromophores: synthesis, characterization and study of optical properties. Journal of Molecular Liquids, 2017, 244, 322-329.	4.9	37
8	Modulated bonding interaction in propanediol electrolytes toward stable aqueous zinc-ion batteries. Science China Materials, 2022, 65, 1156-1164.	6.3	37
9	Studies to reveal the nature of interactions between catalase and curcumin using computational methods and optical techniques. International Journal of Biological Macromolecules, 2017, 95, 550-556.	7.5	35
10	Fused tetraphenylethyleneâ€“triphenylamine as an efficient hole transporting material in perovskite solar cells. Chemical Communications, 2020, 56, 3159-3162.	4.1	35
11	The inhibitory effect of farnesiferol C against catalase; Kinetics, interaction mechanism and molecular docking simulation. International Journal of Biological Macromolecules, 2018, 113, 1258-1265.	7.5	32
12	Pyridine-triphenylamine hole transport material for inverted perovskite solar cells. Journal of Energy Chemistry, 2021, 54, 395-402.	12.9	30
13	Destructive effect of non-enzymatic glycation on catalase and remediation via curcumin. Archives of Biochemistry and Biophysics, 2017, 630, 81-90.	3.0	27
14	Unravelling the structural-electronic impact of arylamine electron-donating antennas on the performances of efficient ruthenium sensitizers for dye-sensitized solar cells. Journal of Power Sources, 2017, 346, 71-79.	7.8	26
15	Facile synthesis of simple arylamine-substituted naphthalene derivatives as hole-transporting materials for efficient and stable perovskite solar cells. Journal of Power Sources, 2019, 425, 87-93.	7.8	26
16	Two-dimensional triphenylene cored hole-transporting materials for efficient perovskite solar cells. Chemical Communications, 2020, 56, 1879-1882.	4.1	25
17	C N-based carbazole-arylamine hole transporting materials for perovskite solar cells: Substitution position matters. Journal of Energy Chemistry, 2021, 62, 563-571.	12.9	25
18	Phthalocyanine-silver nanoparticle structures for plasmon-enhanced dye-sensitized solar cells. Solar Energy, 2020, 198, 283-294.	6.1	24

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19	Design, synthesis and characterization of ferrocene based V-shaped chromophores with modified nonlinear effect. Journal of Organometallic Chemistry, 2017, 846, 397-406.	1.8	23
20	Highly efficient ruthenium complexes with acetyl electron-acceptor unit for dye sensitized solar cells. Journal of Power Sources, 2018, 396, 559-565.	7.8	23
21	Ruthenium complexes as sensitizers with phenyl-based bipyridine anchoring ligands for efficient dye-sensitized solar cells. Journal of Materials Chemistry C, 2018, 6, 9445-9452.	5.5	23
22	Benzothiadiazole-based hole transport materials for high-efficiency dopant-free perovskite solar cells: Molecular planarity effect. Journal of Energy Chemistry, 2020, 44, 115-120.	12.9	23
23	Synthesis, characterization, and electronic properties of novel Fc-DCM conjugated system; experimental and computational studies. Journal of Organometallic Chemistry, 2016, 811, 14-19.	1.8	22
24	Synthesis of graphene oxide supported copperâ€“cobalt ferrite material functionalized by arginine amino acid as a new highâ€performance catalyst. Applied Organometallic Chemistry, 2018, 32, e3965.	3.5	22
25	Heteroatom engineering on spiro-type hole transporting materials for perovskite solar cells. Journal of Energy Chemistry, 2022, 67, 19-26.	12.9	22
26	Tetraphenylethylene-Arylamine Derivatives as Hole Transporting Materials for Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 12322-12330.	8.0	21
27	Rhodanineâ€Furan Bisâ€Heterocyclic Frameworks Synthesis via Green Oneâ€Pot Sequential Sixâ€Component Reactions: A Synthetic and Computational Study. ChemistrySelect, 2019, 4, 11893-11898.	1.5	20
28	Dopant-free benzothiadiazole bridged hole transport materials for highly stable and efficient perovskite solar cells. Dyes and Pigments, 2020, 173, 107954.	3.7	19
29	Enhanced phthalocyanine-sensitized solar cell efficiency via cooperation of nitrogen-doped carbon dots. Journal of Cleaner Production, 2020, 268, 122236.	9.3	19
30	An unexpected route toward the synthesis of spiro-benzo[b]acridine-furan derivatives. Tetrahedron Letters, 2012, 53, 4018-4021.	1.4	18
31	Heteroatom effect on linear-shaped dopant-free hole transporting materials for perovskite solar cells. Solar Energy, 2021, 221, 323-331.	6.1	18
32	A study on the interactions of amino acids with nitrogen doped graphene; docking, MD simulation, and QM/MM studies. Physical Chemistry Chemical Physics, 2016, 18, 4352-4361.	2.8	17
33	Hole transporting material with passivating group (C N) for perovskite solar cells with improved stability. Dyes and Pigments, 2021, 187, 109129.	3.7	17
34	Pyridine-Functionalized MCM-41 as an Efficient and Recoverable Catalyst for the Synthesis of Pyran Annulated Heterocyclic Systems. Chemical and Pharmaceutical Bulletin, 2010, 58, 270-272.	1.3	16
35	Unexpected Knoevenagel self-condensation reaction of tetronic acid: synthesis of a new class of organic heterocyclic salts. Tetrahedron, 2010, 66, 1911-1914.	1.9	16
36	Comparative Study of Linear and Starburst Ethane-Based Hole-Transporting Materials for Perovskite Solar Cells. Journal of Physical Chemistry C, 2020, 124, 2886-2894.	3.1	16

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37	â€œOn-waterâ€•organic synthesis: l-proline catalyzed synthesis of pyrimidine-2,4-dione-, benzo[g]- and dihydropyrano[2,3-g]chromene derivatives in aqueous media. Journal of the Iranian Chemical Society, 2013, 10, 307-317.	2.2	14
38	Introducing ammonium salt into hole transporting materials for perovskite solar cells. Chemical Communications, 2020, 56, 14471-14474.	4.1	14
39	Synthesis of a New Library of Pyranoâ€phenazine Derivatives via a Novel Threeâ€Component Protocol. Helvetica Chimica Acta, 2014, 97, 228-236.	1.6	12
40	Evaluation of the effect of the chiral centers of Taxol on binding to Î²-tubulin: A docking and molecular dynamics simulation study. Computational Biology and Chemistry, 2015, 56, 33-40.	2.3	12
41	Simply designed nonspiro fluorene-based hole-transporting materials for high performance perovskite solar cells. Synthetic Metals, 2019, 250, 42-48.	3.9	11
42	Insight into Electron-Donating Ancillary Ligands in Ruthenium Terpyridyl Complexes Configuration on Performances of Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2017, 121, 8752-8759.	3.1	9
43	A computational study on the interactions between a layered imine-based COF structure and selected anticancer drugs. Journal of Molecular Modeling, 2021, 27, 44.	1.8	8
44	A facile three- and four-component procedure toward the synthesis of functionalized pyrano- and benzo[f]quinoxaline derivatives. Molecular Diversity, 2012, 16, 453-461.	3.9	7
45	Computational DFT study on nickel symmetric bis(thiosemicarbazone) complexes: Electronic absorption and redox potentials. Polyhedron, 2019, 160, 35-41.	2.2	7
46	Investigation of substituent effect on the Johnsonâ€“Claisen rearrangement: A DFT approach. Computational and Theoretical Chemistry, 2010, 961, 83-87.	1.5	6
47	Nickelâ€substituted cobalt ferrite nanoparticles supported on arginineâ€modified graphene oxide nanosheets: Synthesis and catalytic activity. Applied Organometallic Chemistry, 2017, 31, e3859.	3.5	6
48	Molecular tailor-making of zinc phthalocyanines as dopant-free hole-transporting materials for efficient and stable perovskite solar cells. Journal of Power Sources, 2021, 505, 230095.	7.8	6
49	Plasmon-enhanced dye-sensitized solar cells through porphyrin-silver nanoparticle hybrid structures: Experimental and computational studies. Journal of Power Sources, 2021, 511, 230407.	7.8	6
50	The strategy for high-efficiency hole conductors by engineering short-range intramolecular interactions. Dyes and Pigments, 2022, 197, 109889.	3.7	6
51	An in silico study on the ring-size effect in ring enlargement Bellus-Claisen rearrangement. Computational and Theoretical Chemistry, 2012, 981, 25-30.	2.5	5
52	Exploration of the binding properties of the human serum albumin sites with neurology drugs by docking and molecular dynamics simulation. Journal of the Iranian Chemical Society, 2017, 14, 19-35.	2.2	5
53	MD simulation studies on the effect of the temperature and protonation state on the imide-linked amino acid-based dendrimers. Computational Materials Science, 2018, 151, 124-131.	3.0	5
54	Amino Acid Functionalized Singleâ˜Wall Carbon Nanotubes in Thermoresponsive Drug Delivery Systems: A Computational Study. ChemistrySelect, 2019, 4, 1516-1524.	1.5	5

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55	A computational study on the mechanism and the transition states of the cyclization of 1-trifluoromethyl-1,3-dicarbonyl compounds with azides to form 1,2,3-triazoles. Computational and Theoretical Chemistry, 2014, 1043, 64-70.	2.5	4
56	Nitrogen doped nanographene structures; study on the adsorption of nucleobases, nucleotides, and their triphosphate derivatives using mixed docking, MD, and QM/MM approaches. Journal of Chemical Physics, 2017, 146, 044105.	3.0	4
57	Synthesis and experimental/theoretical evaluations on redox potentials and electronic absorption spectra for copper symmetric bis(thiosemicarbazone) complexes. Polyhedron, 2018, 151, 221-232.	2.2	4
58	Effect of the substitution position and extending the conjugation in naphthalene-triphenylamine hole transport materials for perovskite solar cells. Synthetic Metals, 2022, 284, 116990.	3.9	4
59	Multifunctional organic semiconductor for dopant-free perovskite solar cells. Synthetic Metals, 2022, 285, 117027.	3.9	4
60	Direct Sulfonation of Methane to Methanesulfonic Acid. Industrial & Engineering Chemistry Research, 2010, 49, 7685-7686.	3.7	3
61	Investigation of origin of stereo-selectivity of BF3Â·Et2O-promoted allylboration of aldehydes in the presence of (R)-pinanediol by computational method. Computational and Theoretical Chemistry, 2012, 999, 28-33.	2.5	3
62	A density functional theory approach toward substituent effect in Meerweinâ€“Eschenmoserâ€“Claisen rearrangement. Journal of Molecular Modeling, 2012, 18, 319-328.	1.8	3
63	A computational study on the usability of amino acid-functionalised nitrogen-doped graphene oxides as temperature-responsive drug delivery systems. International Journal of Hyperthermia, 2017, 33, 1-11.	2.5	3
64	Synthesis, spectroscopic characterization, and DFT studies of 1,2,3-triazole-based organosilicon compounds. Journal of Molecular Structure, 2018, 1167, 200-208.	3.6	3
65	In silico study on core-shell pseudodendrimeric glycoside structures in drug delivery related usages. Polyhedron, 2019, 160, 10-19.	2.2	3
66	Exploration of the Binding Properties of the Azo Dye Pollutants with Nitrogenâ€Doped Graphene Oxide by Computational Modeling for Wastewater Treatment Improvement. ChemistrySelect, 2019, 4, 5968-5978.	1.5	3
67	Effect of COF Presence on DNA Molecular Interactions: A QM/MM and MD Simulations Study. ChemistrySelect, 2021, 6, 9541-9551.	1.5	3
68	A Computational Study on the Blocking Ability of Selected Commercially Available Anticancer Drugs and Their Hypothetic Derivatives on the CCR5. Assay and Drug Development Technologies, 2018, 16, 266-277.	1.2	2
69	Isomeric Dâ€Ïâ€D Dopantâ€Free Hole Transport Materials: Effect of the Substitution Position and Heteroatom on the Performance of Perovskite Solar Cells. ChemistrySelect, 2022, 7, .	1.5	2
70	In silico study to evaluate the governing criteria in the BF3 catalyzed Diels-Alder reaction. Computational and Theoretical Chemistry, 2016, 1091, 176-185.	2.5	1
71	The Design of Temperature and pH-Responsive Drug Delivery System Based on Cellulose and Aminated Cellulose by Computational and Experimental Methods. Journal of Computational Biophysics and Chemistry, 2021, 20, 189-200.	1.7	1
72	The role of human CYP2C8 in the metabolizing of montelukast-like compounds: a computational study. Research on Chemical Intermediates, 2017, 43, 4781-4794.	2.7	0