

Mohamad Zaman Kassaee

List of Publications by Year in descending order

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172
papers

3,495
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147566

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189595

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174
all docs

174
docs citations

174
times ranked

3638
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Fe ₃ O ₄ -graphene oxide/polystyrene: Fabrication and characterization of a promising nanocomposite. <i>Chemical Engineering Journal</i> , 2011, 172, 540-549.	6.6	281
2	Sulfamic acid-functionalized magnetic Fe ₃ O ₄ nanoparticles as an efficient and reusable catalyst for one-pot synthesis of α -amino nitriles in water. <i>Applied Catalysis A: General</i> , 2011, 395, 28-33.	2.2	204
3	The effect of TiO ₂ and SiO ₂ nanoparticles on flexural strength of poly (methyl methacrylate) acrylic resins. <i>Journal of Prosthodontic Research</i> , 2013, 57, 15-19.	1.1	118
4	Antibacterial effects of a new dental acrylic resin containing silver nanoparticles. <i>Journal of Applied Polymer Science</i> , 2008, 110, 1699-1703.	1.3	103
5	Nitrate removal from water using iron nanoparticles produced by arc discharge vs. reduction. <i>Chemical Engineering Journal</i> , 2011, 166, 490-495.	6.6	92
6	Effects of nano Fe/SiO ₂ fertilizers on germination and growth of barley and maize. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 817-826.	1.3	83
7	γ -Ray synthesis of starch-stabilized silver nanoparticles with antibacterial activities. <i>Radiation Physics and Chemistry</i> , 2008, 77, 1074-1078.	1.4	72
8	Evaluation of chitosan nanoparticles effects with two application methods on wheat under drought stress. <i>Journal of Plant Nutrition</i> , 2019, 42, 1439-1451.	0.9	72
9	Effect of silver nano particles on flexural strength of acrylic resins. <i>Journal of Prosthodontic Research</i> , 2012, 56, 120-124.	1.1	66
10	Sulfochitosan encapsulated nano-Fe ₃ O ₄ as an efficient and reusable magnetic catalyst for green synthesis of 2-amino-4H-chromen-4-yl phosphonates. <i>Journal of Molecular Catalysis A</i> , 2013, 380, 152-158.	4.8	63
11	Synthetic nanozeolite/nanohydroxyapatite as a phosphorus fertilizer for German chamomile (<i>Matricaria chamomilla</i> L.). <i>Industrial Crops and Products</i> , 2017, 95, 444-452.	2.5	58
12	A mndo study of 3-, 5-, 7- and 9-membered carbocyclic, completely conjugated, planar carbenes and their nonplanar isomers. <i>Tetrahedron</i> , 1985, 41, 1579-1586.	1.0	57
13	Chitosan synergistically enhanced by successive Fe ₃ O ₄ and silver nanoparticles as a novel green catalyst in one-pot, three-component synthesis of tetrahydrobenzo[<i>h</i>]xanthene-11-ones. <i>Journal of Molecular Catalysis A</i> , 2014, 393, 309-316.	4.8	54
14	Antimicrobial properties of poly (methyl methacrylate) acrylic resins incorporated with silicon dioxide and titanium dioxide nanoparticles on cariogenic bacteria. <i>Journal of Orthodontic Science</i> , 2016, 5, 7.	0.2	53
15	Immobilized silver on surface-modified ZnO nanoparticles: As an efficient catalyst for synthesis of propargylamines in water. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 52-57.	4.8	49
16	Singlet-triplet energy separations in divalent five-membered cyclic conjugated C ₅ H ₃ X, C ₄ H ₃ SiX, C ₄ H ₃ GeX, C ₄ H ₃ SnX, and C ₄ H ₃ PbX (X=H, F, Cl, and Br). <i>Journal of Organometallic Chemistry</i> , 2005, 690, 3427-3439.	0.8	48
17	Carbenes with Reduced Heteroatom Stabilization: A Computational Approach. <i>Journal of Organic Chemistry</i> , 2010, 75, 2539-2545.	1.7	47
18	New advances on bipolar rechargeable alkaline manganese dioxide-zinc batteries. <i>Journal of Power Sources</i> , 2003, 117, 233-241.	4.0	46

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19	Comparison of nitrate removal from water via graphene oxide coated Fe, Ni and Co nanoparticles. <i>Materials Research Bulletin</i> , 2014, 54, 34-40.	2.7	46
20	Magnetic CuO nanoparticles supported on graphene oxide as an efficient catalyst for A3-coupling synthesis of propargylamines. <i>Chinese Chemical Letters</i> , 2015, 26, 1085-1090.	4.8	45
21	Synthesis of antibacterial silver nanoparticles by γ -irradiation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 42, 132-135.	1.3	40
22	Tetramethylammonium fluorochromate(VI): a new and efficient oxidant for organic substrates. <i>Tetrahedron Letters</i> , 2003, 44, 4555-4557.	0.7	38
23	An efficient one-pot solvent-free synthesis of 2,3-dihydroquinazoline-4(1H)-ones via Al ₂ O ₃ nanoparticles. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 1421-1424.	1.4	37
24	In situ formation of silver nanoparticles in PMMA via reduction of silver ions by butylated hydroxytoluene. <i>Structural Chemistry</i> , 2011, 22, 11-15.	1.0	37
25	A DFT study on pyridine-derived N-heterocyclic carbenes. <i>Tetrahedron</i> , 2009, 65, 10093-10098.	1.0	36
26	Synthesis of 2,4,5-trisubstituted imidazoles over reusable CoFe ₂ O ₄ nanoparticles: an efficient and green sonochemical process. <i>Applied Organometallic Chemistry</i> , 2016, 30, 561-565.	1.7	36
27	ZnO Nanoparticles as an Efficient Catalyst for the One-Pot Synthesis of α -Amino Phosphonates. <i>Synlett</i> , 2009, 2009, 1326-1330.	1.0	34
28	Polyaniline nanotubes coated with TiO ₂ & γ -Fe ₂ O ₃ @graphene oxide as a novel and effective visible light photocatalyst for removal of rhodamine B from water. <i>Solid State Sciences</i> , 2014, 38, 143-149.	1.5	34
29	Ab initio study of steric effects due to dialkyl substitutions on H ₂ C ₃ isomers. <i>Computational and Theoretical Chemistry</i> , 2004, 681, 129-135.	1.5	33
30	Nano TiO ₂ as a heterogeneous catalyst in an efficient one-pot three-component Mannich synthesis of β -aminocarbonyls. <i>Chinese Chemical Letters</i> , 2011, 22, 1203-1203.	4.8	33
31	Solvent effects on arc discharge fabrication of durable silver nanopowder and its application as a recyclable catalyst for elimination of toxic p-nitrophenol. <i>Chemical Engineering Journal</i> , 2014, 257, 105-111.	6.6	33
32	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.	1.2	32
33	Al nanoparticles: Impact of media and current on the arc fabrication. <i>Journal of Manufacturing Processes</i> , 2009, 11, 31-37.	2.8	31
34	Novel α -spirocyclic (alkyl)(amino)carbenes at the theoretical crossroad of flexibility and rigidity. <i>Structural Chemistry</i> , 2010, 21, 593-598.	1.0	31
35	Visible light photocatalytic activity of reduced graphene oxide synergistically enhanced by successive inclusion of γ -Fe ₂ O ₃ , TiO ₂ , and Ag nanoparticles. <i>Materials Science in Semiconductor Processing</i> , 2014, 26, 69-78.	1.9	31
36	Silica nanoparticles immobilized benzoylthiourea ferrous complex as an efficient and reusable catalyst for one-pot synthesis of benzopyranopyrimidines. <i>Journal of Molecular Catalysis A</i> , 2013, 378, 135-141.	4.8	30

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37	Homopiperazine sulfamic acid functionalized mesoporous silica nanoparticles (MSNs-HPZ-SO ₃ H) as an efficient catalyst for one-pot synthesis of 1-amidoalkyl-2-naphthols. <i>New Journal of Chemistry</i> , 2016, 40, 4720-4726.	1.4	30
38	In search of triplet ground state GeCNX germynes (X=H, F, Cl, and Br): An ab initio and DFT study. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 4692-4703.	0.8	28
39	Ab initio study of singlet-triplet energy separations in C ₂ H _X Si silylenes (X=H, F, Cl and Br). <i>Computational and Theoretical Chemistry</i> , 2005, 722, 151-160.	1.5	28
40	A theoretical investigation into dimethylcarbene and its diamino and diphosphino analogs: effects of cyclization and unsaturation on the stability and multiplicity. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 919-924.	0.9	28
41	Halogenated isomers of the interstellar C ₃ H ₂ : an ab initio comparative study. <i>Computational and Theoretical Chemistry</i> , 2003, 639, 187-193.	1.5	27
42	Breathing viability into cyclonona-3,5,7-trienylidenes \pm -dimethyl and \pm -moieties at DFT. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 540-550.	0.9	26
43	2,2,9,9-tetramethylcyclonona-3,5,7-trienylidene vs. its heterocyclic analogues: A quest for stable carbenes at DFT. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 908-916.	0.9	25
44	Substituent effects on cyclonona-3,5,7-trienylidenes: a quest for stable carbenes at density functional theory level. <i>Journal of Physical Organic Chemistry</i> , 2015, 28, 514-526.	0.9	25
45	Removal of toxic Cr(VI) from water by a novel magnetic chitosan/glyoxal/PVA hydrogel film. <i>Desalination and Water Treatment</i> , 2016, 57, 14266-14279.	1.0	22
46	Phytotoxicity of Chitosan and SiO ₂ Nanoparticles to Seed Germination of Wheat (<i>Triticum aestivum</i> L.) and Barley (<i>Hordeum vulgare</i> L.) Plants. <i>Notulae Scientia Biologicae</i> , 2017, 9, 242-249.	0.1	22
47	Suspended graphene oxide nanoparticle for accelerated multilayer osteoblast attachment. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 293-303.	2.1	22
48	Effects of group 14-16 heteroatoms on the aromaticity of benzene at DFT level. <i>Computational and Theoretical Chemistry</i> , 2007, 816, 153-160.	1.5	21
49	Heteroatom impacts on structure, stability and aromaticity of X _n C ₂₀ fullerenes: A theoretical prediction. <i>Computational and Theoretical Chemistry</i> , 2010, 940, 19-28.	1.5	21
50	Media effects on nanobrass arc fabrications. <i>Journal of Alloys and Compounds</i> , 2008, 453, 229-232.	2.8	20
51	Synthesis of novel 3,4-diaryl-1,5-pyrroles. <i>Journal of Heterocyclic Chemistry</i> , 2007, 44, 471-474.	1.4	19
52	Magnetically recyclable nano copper/chitosan in <i>O</i> -arylation of phenols with aryl halides. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5042.	1.7	19
53	The kinetics of interactions between fcapentaene-12 and DNA. <i>Journal of Bioscience and Bioengineering</i> , 2003, 95, 526-529.	1.1	18
54	Triplet germynes with separable minima at ab initio and DFT levels. <i>Computational and Theoretical Chemistry</i> , 2008, 866, 52-57.	1.5	18

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55	A selective nanocatalyst for an efficient Ugi reaction: Magnetically recoverable Cu(acac) ₂ /NH ₂ -T/SiO ₂ @Fe ₃ O ₄ nanoparticles. <i>Journal of Chemical Sciences</i> , 2013, 125, 1347-1357.	0.7	18
56	Cyclacenes and short zigzag nanotubes with alternating Ge-C bonds: theoretical impacts of Ge on the ground state, strain, and band gap. <i>Journal of Physical Organic Chemistry</i> , 2014, 27, 735-746.	0.9	18
57	A quest for stable 2,5-bis(halobora)cyclopentenylidene and its Si, Ge, Sn and Pb analogs at theoretical levels. <i>RSC Advances</i> , 2015, 5, 43319-43327.	1.7	18
58	Synthesis of quinazolines over recyclable Fe ₃ O ₄ @SiO ₂ -PrNH ₂ -Fe ³⁺ nanoparticles: A green, efficient, and solvent-free protocol. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4573.	1.7	18
59	Mesoporous silica nanoparticles in an efficient, solvent-free, green synthesis of acridinediones. <i>Catalysis Communications</i> , 2015, 60, 100-104.	1.6	17
60	Effects of \hat{I}^{\pm} -mono heteroatoms (N vs. P), and \hat{I}^2 -conjugation on cyclic silylenes. <i>Computational and Theoretical Chemistry</i> , 2012, 1001, 39-43.	1.1	16
61	Nucleophilicity of normal and abnormal N-heterocyclic carbenes at DFT: steric effects on tetrazole-5-ylidenes. <i>RSC Advances</i> , 2016, 6, 13224-13233.	1.7	16
62	Cu ^{II} -Immobilized Mesoporous Silica Nanoparticles [Cu ²⁺ @MSNs-(CO ₂) ₂] ⁻ as an Efficient Nanocatalyst for One-Pot Synthesis of Pyrazolopyranopyrimidines in Water. <i>ChemistrySelect</i> , 2017, 2, 9642-9646.	0.7	16
63	Synthesis and Reactions of N-Methylbenzylammonium Fluorochromate(VI) on Silica Gel, a Selective and Efficient Heterogeneous Oxidant. <i>Molecules</i> , 2004, 9, 825-829.	1.7	15
64	Ab initio energy surface of interstellar C ₃ H vs. NC ₃ H and H ₃ CO ₂ C ₃ H. <i>Computational and Theoretical Chemistry</i> , 2004, 676, 7-14.	1.5	15
65	Electrolytic MnO ₂ via non-isothermal electrode heating: a promising approach for optimizing performances of electroactive materials. <i>Journal of Power Sources</i> , 2004, 125, 256-266.	4.0	15
66	Switching of global minima of novel germylenic reactive intermediates via halogens (X): C ₂ GeH ₂ vs. C ₂ GeHX at ab initio and DFT levels. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2933-2944.	0.8	15
67	Removal of Nitrate and Phosphate from Water by Clinoptilolite-Supported Iron Hydroxide Nanoparticle. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 2433-2439.	1.7	15
68	Substituent effects on tautomerization of oxepine to benzene oxide: a Hammett study via ab initio. <i>Computational and Theoretical Chemistry</i> , 2005, 715, 107-115.	1.5	14
69	Multiplicity vs. stability in C ₂ HP carbenes and their halogenated analogues: an ab initio and DFT study. <i>Computational and Theoretical Chemistry</i> , 2005, 726, 171-181.	1.5	14
70	An ab initio and DFT comparative study of electronic effects on spin multiplicities and structures of X-C ₂ N carbenes. <i>Computational and Theoretical Chemistry</i> , 2005, 728, 15-24.	1.5	14
71	One-Pot Four-Component Synthesis of Tetrasubstituted Pyrroles. <i>Helvetica Chimica Acta</i> , 2008, 91, 227-231.	1.0	14
72	From acyclic dialkylcarbene to the unsaturated cyclic heteroatom substituted ones: a survey of stability. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 351-359.	0.9	14

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73	Nanosteel synthesis via arc discharge: media and current effects. <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 151-156.	1.2	14
74	Nanocrystalline TiO ₂ , via green combustion synthesis, as an efficient and reusable catalyst for the preparation of 1,8-dioxooctahydroxanthenes and 1,8-dioxodecahydroacridines. <i>Applied Organometallic Chemistry</i> , 2015, 29, 793-797.	1.7	14
75	Solar energy storage in norbornadiene-quadracyclane system: electronic effects via ab initio computations. <i>Computational and Theoretical Chemistry</i> , 2005, 716, 159-163.	1.5	13
76	Electronic effects on 1H-azepines valance tautomerization: an ab initio comparative study. <i>Computational and Theoretical Chemistry</i> , 2005, 731, 29-37.	1.5	13
77	Ab initio and DFT energetics of silylenic X=CNSi (X=H, F, Cl, and Br). <i>Computational and Theoretical Chemistry</i> , 2005, 730, 33-44.	1.5	13
78	Divalent propargylenic C ₂ H ₂ M group 14 elements: Structures and singlet-triplet energy splittings (M=C, Si, Ge, Sn and Pb). <i>Computational and Theoretical Chemistry</i> , 2005, 731, 225-231.	1.5	13
79	How steric effects favor thiepines over their benzene sulfide tautomers at theoretical levels?. <i>Computational and Theoretical Chemistry</i> , 2008, 861, 117-121.	1.5	13
80	Toward triplet disilavinylidenes: A Hammett electronic survey for substituent effects on singlet-triplet energy gaps of silylenes by DFT. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3988.	0.9	13
81	Nucleophilicity of cyclic conjugated silylenes using DFT method. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3956.	0.9	13
82	Detection of bendamustine anti-cancer drug via AlN and Si-doped C nanocone and nanosheet sensors by DFT. <i>Structural Chemistry</i> , 2020, 31, 2041-2050.	1.0	13
83	Thermal, spectroscopic, X-ray powder diffraction, fluorescence, and structural studies of [Pb(η^4 -4-pyc)(η^4 -Br)] _n , new mixed-anion lead(II) 3-D coordination polymers. <i>Journal of Coordination Chemistry</i> , 2009, 62, 1784-1790.	0.8	12
84	Transition state characteristics of planar singlet 2,4,6,8-cyclononatetraenylidenes and its halo derivatives, via ab initio. <i>Computational and Theoretical Chemistry</i> , 2005, 724, 61-71.	1.5	11
85	Mirror image conversions of cyclic conjugated non-planar allenes, C ₉ H ₇ X (X=H, F, Cl, Br). <i>Computational and Theoretical Chemistry</i> , 2005, 755, 91-98.	1.5	11
86	Stable silylenes with acyclic, cyclic, and unsaturated cyclic structures: Effects of heteroatoms and cyclopropyl β -substituents at DFT. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2059-2064.	0.8	11
87	Ylide stabilized carbenes: a computational study. <i>Journal of Physical Organic Chemistry</i> , 2014, 27, 902-908.	0.9	11
88	Theoretical descriptions of novel triplet germynes M1-Ge-M2-M3 (M1= H, Li, Na, K; M2= Be, Mg, Ca; M3=) Tj ETQq0 0 0 rgBT /Over	0.8	11
89	Novel silicon super bases at DFT level of theory: effects of fused benzene rings on the basicity of 2,4,6-cycloheptatrienesilylene. <i>Research on Chemical Intermediates</i> , 2019, 45, 4677-4691.	1.3	11
90	Adsorption and Photocatalytic Removal of Arsenic from Water by a Porous and Magnetic Nanocomposite: Ag/TiO ₂ /Fe ₃ O ₄ @GO. <i>Advanced Journal of Chemistry-Section A</i> , 2020, 3, 408-421.	1.4	11

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91	1,2,4,6-Cycloheptatetraenes racemizations: substituent effects via ab initio. Computational and Theoretical Chemistry, 2004, 686, 115-122.	1.5	10
92	Beyond benzene sulfides and thiepins: Tautomerizations and thiepins inversions at theoretical levels. Computational and Theoretical Chemistry, 2008, 848, 67-73.	1.5	10
93	1H-Phosphepine-benzene phosphine valence tautomerizations: Impacts of substituents at ab initio and DFT levels. Computational and Theoretical Chemistry, 2008, 865, 73-78.	1.5	10
94	Toward stable N-heterocyclic silylenes at theoretical levels. Computational and Theoretical Chemistry, 2009, 913, 16-21.	1.5	10
95	$\hat{\text{I}}^2$ -Enaminones over recyclable nano-CoFe ₂ O ₄ : a highly efficient solvent-free green protocol. Research on Chemical Intermediates, 2018, 44, 5787-5799.	1.3	10
96	From singlet R ₂ Si silylene to triplet R ₂ Si \cdot Si ground state by DFT. Journal of Physical Organic Chemistry, 2020, 33, e4053.	0.9	10
97	Ab initio investigations of structural and energetic properties of hindered aryl alkyl ketones. Computational and Theoretical Chemistry, 2003, 624, 69-79.	1.5	9
98	Ab initio NQR study of piperidine umbrella inversions. Computational and Theoretical Chemistry, 2005, 713, 245-254.	1.5	9
99	A quest for triplet silylenes XHSi ₃ at ab initio and DFT levels (X=H, F, Cl and Br). Journal of Organometallic Chemistry, 2006, 691, 1845-1856.	0.8	9
100	A theoretical study on phosphasilylenes CPSi-X (X=H, CN, NH ₂ and OMe). Computational and Theoretical Chemistry, 2006, 761, 7-16.	1.5	9
101	Ring flips of allenes (C ₉ H ₇ X) over triplet carbenes at ab initio and DFT levels (X=H, F, Cl, Br). Computational and Theoretical Chemistry, 2007, 815, 21-29.	1.5	9
102	Umbrella inversions of cyclononatetraenylidenes at ab initio and DFT. Computational and Theoretical Chemistry, 2007, 810, 53-64.	1.5	8
103	Silabenzene through divalent precursors at theoretical levels. Monatshefte für Chemie, 2009, 140, 33-38.	0.9	8
104	Diverse tungsten nanoparticles via arc discharge. Journal of Manufacturing Processes, 2010, 12, 85-91.	2.8	8
105	Pyridine derived N-heterocyclic germylenes: A density functional perspective. Journal of Organometallic Chemistry, 2010, 695, 760-765.	0.8	8
106	Mesoporous silica nanoparticles (MSNs) as an efficient and reusable nanocatalyst for synthesis of $\hat{\text{I}}^2$ -amino ketones through one-pot three-component Mannich reactions. RSC Advances, 2016, 6, 32183-32188.	1.7	8
107	Steric effects on normal and abnormal acyclic, cyclic $\hat{\text{e}}$ saturated, and cyclic $\hat{\text{e}}$ unsaturated diaminocarbenes using $\langle \text{scp} \rangle$ DFT $\langle \text{scp} \rangle$ method. Journal of Physical Organic Chemistry, 2019, 32, e3898.	0.9	8
108	Novel halogenated cyclopentasilylene $\hat{\text{e}}$ 2,4 $\hat{\text{e}}$ dienes via $\langle \text{scp} \rangle$ DFT $\langle \text{scp} \rangle$. Journal of the Chinese Chemical Society, 2020, 67, 692-702.	0.8	8

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109	Bimetallic Ni/Cu mesoporous silica nanoparticles as an efficient and reusable catalyst for the Sonogashira cross-coupling reactions. <i>Journal of Organometallic Chemistry</i> , 2021, 937, 121703.	0.8	8
110	Magnetic Fe ₃ O ₄ @graphene oxide improves the therapeutic effects of embryonic stem cells on acute liver damage. <i>Cell Proliferation</i> , 2021, 54, e13126.	2.4	8
111	The effects of substituents on the photochemistry of <i>l</i> ² -methyl- <i>l</i> ² -nitrostyrene. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 136, 41-48.	2.0	7
112	Energetics of photoconversion of norbornadiene to quadricyclane: Effects of directly attached substituents via ab initio and DFT. <i>Computational and Theoretical Chemistry</i> , 2006, 763, 13-19.	1.5	7
113	From halo-azasilylenes to halo-phosphasilylenes (X-CNSi vs. X-CPSi) at ab initio and DFT levels. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2666-2678.	0.8	7
114	Divalency switch from carbenes to germylenes at theoretical levels. <i>Computational and Theoretical Chemistry</i> , 2008, 849, 37-45.	1.5	7
115	Effects of <i>l</i> -cyclopropyl on heterocyclic carbenes stability at DFT. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 1022-1029.	0.9	7
116	Green synthesis of primary, secondary, and tertiary amides through oxidative amidation of methyl groups with amine hydrochlorides over recyclable CoFe ₂ O ₄ NPs. <i>RSC Advances</i> , 2016, 6, 106873-106879.	1.7	7
117	Ionic liquid- <i>l</i> -functionalized mesoporous silica nanoparticles ([pmim]FeCl ₄ /MSNs): Efficient nanocatalyst for solvent-free synthesis of N,N-dialkyl-substituted formamides. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3800.	1.7	7
118	Cu(II) immobilized on mesoporous organosilica as an efficient and reusable nanocatalyst for one-pot Biginelli reaction under solvent-free conditions. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4106.	1.7	7
119	Controlling dielectric permittivity and dielectric loss by starch-coated silver nanoparticles in ethylene-propylene rubber. <i>Polymer Composites</i> , 2018, 39, 1303-1310.	2.3	6
120	Novel azaborastannylenes by DFT. <i>Computational and Theoretical Chemistry</i> , 2020, 1190, 112998.	1.1	6
121	Borasilylenes in Focus: Topological Effects of Nitrogen Atoms by DFT. <i>Silicon</i> , 2021, 13, 3377-3383.	1.8	6
122	Effects of nitrogen atoms on the stability and reactivity of tricyclic boracarbenes by DFT. <i>Theoretical Chemistry Accounts</i> , 2020, 139, 1.	0.5	6
123	Detours for Reaching at New Germylenes, Silylenes, Carbenes, and Carbenogermylenes through Substituted Cyclopropenylidenes at Ab initio and DFT Levels. <i>Monatshefte für Chemie</i> , 2007, 138, 833-848.	0.9	5
124	Silicon photosensitizers in cancer therapy: Theoretical studies on novel 5-methoxypsoralens. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e4007.	0.9	5
125	Efficient synthesis of <i>l</i> -aminonitriles over homopiperazine sulfamic acid functionalized mesoporous silica nanoparticles (MSNs-HPZ-SO ₃ H), as a reusable acid catalyst. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 1819-1825.	1.2	5
126	Substituent effects on novel diaminovinylidenes by DFT. <i>Research on Chemical Intermediates</i> , 2020, 46, 2289-2308.	1.3	5

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127	A quest for stable bicyclic carbenes with one, two, and three carbenic centers at theoretical level. <i>Structural Chemistry</i> , 2021, 32, 1105-1112.	1.0	5
128	Capture of CO ₂ by novel diiodoimidazoliumvinylidene: A theoretical quest. <i>Journal of Physical Organic Chemistry</i> , 2022, 35, .	0.9	5
129	Ab initio study of conformational energy surface of spiro [cyclohexane-1,2-(1,3-dioxep-5-ene)]. <i>Computational and Theoretical Chemistry</i> , 2002, 589-590, 153-159.	1.5	4
130	New tripletsilylenes along with some unusual cyclic forms (M=Li, Na, and K; M=Be, Mg, and Ca; X=F, Cl, and Br). <i>Turkish Journal of Chemistry</i> , 2018, 42, 974-987.	0.5	4
131	A theoretical investigation into novel germylenes: effects of nitrogen substitution on stability and multiplicity. <i>Journal of Molecular Modeling</i> , 2020, 26, 325.	0.8	4
132	Nickel-Copper bimetallic mesoporous nanoparticles: As an efficient heterogeneous catalyst for N-alkylation of amines with alcohols. <i>Applied Organometallic Chemistry</i> , 2021, 35, .	1.7	4
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