Mohamad Zaman Kassaee

List of Publications by Year
in descending order

172	3,495	147801	189892
papers	citations	31 h-index	50 g-index

174	174	174	3638
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Substituent Effect On Structure, Stability, and Electronic Properties of the Novel Bicyclic Silylenes at DFT. Silicon, 2022, 14, 2089-2095.	3.3	4
2	Capture of CO‹sub›2‹/sub› by novel diiodoâ€‹i›N‹/i›,‹i›N‹/i›â€‹imidazoliumvinylidene: A theoretical quest. Journal of Physical Organic Chemistry, 2022, 35, .	1.9	5
3	A quest for substituent effects on novel diamino(phosphino)phosphinidenes using density functional theory method. Journal of Physical Organic Chemistry, 2022, 35, .	1.9	0
4	Theoretical descriptions of novel bicyclic stannylenes and their halogenated derivatives. Journal of the Iranian Chemical Society, 2022, 19, 3837-3843.	2.2	1
5	Estimating structure, stability, and electronic properties on halogenated derivatives of 2-germabicyclo[1.1.1.]pentane-2-ylidenes at density functional theory. Journal of Molecular Modeling, 2022, 28, .	1.8	2
6	Borasilylenes in Focus: Topological Effects of Nitrogen Atoms by DFT. Silicon, 2021, 13, 3377-3383.	3.3	6
7	New N-heterocyclic plumbylenes (NHPbs) and their complexes with palladium and platinum by DFT. Structural Chemistry, 2021, 32, 731-757.	2.0	0
8	Stable fourâ€‹membered cyclosilylenes at theoretical levels. Journal of the Chinese Chemical Society, 2021, 68, 541-550.	1.4	3
9	New N â€“ heterocyclic mono â€“ and disilavinylidene iron â€“ complexes by density functional theory. Journal of Physical Organic Chemistry, 2021, 34, e4148.	1.9	0
10	Nickelâ^'Copper bimetallic mesoporous nanoparticles: As an efficient heterogeneous catalyst for N â€‹alkylation of amines with alcohols. Applied Organometallic Chemistry, 2021, 35, .	3.5	4
11	Comparison of bis(alkylthio)carbenes by density functional and Secondâ€‹order MÃ¸llerâ€“Plesset perturbation theory. Journal of Physical Organic Chemistry, 2021, 34, .	1.9	0
12	Predicting novel strong acids of plumbylene at theoretical levels. Journal of Physical Organic Chemistry, 2021, 34, e4139.	1.9	2
13	Gold at crossroads of radical generation and scavenging at density functional theory level: Nitrogen and oxygen free radicals versus their precursors in the face of nanogold. Journal of Physical Organic Chemistry, 2021, 34, .	1.9	1
14	A quest for stable bicyclic carbenes with one, two, and three carbenic centers at theoretical level. Structural Chemistry, 2021, 32, 1105-1112.	2.0	5
15	Bimetallic Ni/Cu mesoporous silica nanoparticles as an efficient and reusable catalyst for the Sonogashira cross-coupling reactions. Journal of Organometallic Chemistry, 2021, 937, 121703.	1.8	8
16	Efficient synthesis of symmetrical anhydrides by cross dehydrogenative coupling of aryl aldehydes over CuFe2O4 nanoparticles. Monatshefte FÃ¼r Chemie, 2021, 152, 461-468.	1.8	1
17	Estimating the stability and reactivity of novel bicyclic germylenes at density functional theory. Journal of Physical Organic Chemistry, 2021, 34, e4208.	1.9	2
18	Substitution effects on novel bicyclo[2.2.1]hepta-7-silylenes by DFT. Journal of Molecular Modeling, 2021, 27, 121.	1.8	4

#	Article	IF	Citations
19	Magnetic Fe 3 O 4 @graphene oxide improves the therapeutic effects of embryonic stem cells on acute liver damage. Cell Proliferation, 2021, 54, e13126.	5.3	8
20	A Quest for (sila)0-4cyclopentasilylenes and their Arduengo Analogs by DFT. Silicon, 2021, 13, 939-960.	3.3	3
21	Novel phenolic compounds by DFT : Electronic effects on antioxidant activity of 4â€vinylphenol derivatives. Journal of the Chinese Chemical Society, 2021, 68, 817-825.	1.4	1
22	Novel azaborastannylenes by DFT. Computational and Theoretical Chemistry, 2020, 1190, 112998.	2.5	6
23	New Hydroxylated Cyclic and Acyclic Silylenes Via DFT. Silicon, 2020, 13, 3385.	3.3	1
24	Novel silylphenol antioxidants by <scp>density functional theory</scp>. Journal of the Chinese Chemical Society, 2020, 67, 1986-1991.	1.4	3
25	Effects of H-bonding and structural constituents on the acidity and potential "anticancer activity" of D-mandelonitrile-Î²-D-glucuronic acid by density functional theory. Research on Chemical Intermediates, 2020, 46, 4359-4381.	2.7	1
26	Effects of nitrogen atoms on the stability and reactivity of tricyclic boracarbenes by DFT. Theoretical Chemistry Accounts, 2020, 139, 1.	1.4	6
27	A theoretical investigation into novel germylenes: effects of nitrogen substitution on stability and multiplicity. Journal of Molecular Modeling, 2020, 26, 325.	1.8	4
28	New pathways of stability for NHCs derived from azole, di-azole, n-tetrazole, and ab-tetrazole, by DFT. Journal of Molecular Modeling, 2020, 26, 324.	1.8	2
29	Novel halogenated cyclopentasilyleneâ€2,4â€dienes via <scp>DFT</scp>. Journal of the Chinese Chemical Society, 2020, 67, 692-702.	1.4	8
30	Novel triplet silavinylidenes via density functional theory. Journal of Physical Organic Chemistry, 2020, 33, e4074.	1.9	1
31	New monodentate and bidentate silylene ligands by DFT. Journal of the Chinese Chemical Society, 2020, 67, 1544-1551.	1.4	3
32	Detection of bendamustine anti-cancer drug via AlN and Si-doped C nanocone and nanosheet sensors by DFT. Structural Chemistry, 2020, 31, 2041-2050.	2.0	13
33	Substituent effects on novel diaminovinylidenes by DFT. Research on Chemical Intermediates, 2020, 46, 2289-2308.	2.7	5
34	From singlet R₂Si silylene to triplet R₂Siâ•Si ground state by DFT. Journal of Physical Organic Chemistry, 2020, 33, e4053.	1.9	10
35	Novel tetrazolâ€5â€germavinylidenes with triplet monomeric, normal, and abnormal forms studied using DFT method. Journal of Physical Organic Chemistry, 2020, 33, e4051.	1.9	0
36	Adsorption and Photocatalytic Removal of Arsenic from Water by a Porous and Magnetic Nanocomposite: Ag/TiO2/Fe3O4@GO. Advanced Journal of Chemistry-Section A, 2020, 3, 408-421.	1.1	11

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37	Electronic effects on diaminocarbenes: a theoretical quest. Journal of Physical Organic Chemistry, 2019, 32, e3996.	1.9	3
38	Silicon photosensitizers in cancer therapy: Theoretical studies on novel 5â€²methoxypsoralens. Journal of Physical Organic Chemistry, 2019, 32, e4007.	1.9	5
39	Toward triplet disilavinylidenes: A Hammett electronic survey for substituent effects on singletâ€“triplet energy gaps of silylenes by DFT. Journal of Physical Organic Chemistry, 2019, 32, e3988.	1.9	13
40	Magnetically recyclable nano copper/chitosan in Oâ€arylation of phenols with aryl halides. Applied Organometallic Chemistry, 2019, 33, e5042.	3.5	19
41	Evaluation of chitosan nanoparticles effects with two application methods on wheat under drought stress. Journal of Plant Nutrition, 2019, 42, 1439-1451.	1.9	72
42	Novel silicon super bases at DFT level of theory: effects of fused benzene rings on the basicity of 2,4,6-cycloheptatrienesilylene. Research on Chemical Intermediates, 2019, 45, 4677-4691.	2.7	11
43	Efficient synthesis of Î±-aminonitriles over homopiperazine sulfamic acid functionalized mesoporous silica nanoparticles (MSNs-HPZ-SO3H), as a reusable acid catalyst. Journal of the Iranian Chemical Society, 2019, 16, 1819-1825.	2.2	5
44	Nucleophilicity of cyclic conjugated silylenes using DFT method. Journal of Physical Organic Chemistry, 2019, 32, e3956.	1.9	13
45	Novel triplet germylenes in focus: normal vs. abnormal triplet exocyclic tetrazol-5-vinylidene germylenes at DFT. Journal of Molecular Modeling, 2019, 25, 371.	1.8	1
46	Steric effects on normal and abnormal acyclic, cyclicâ€saturated, and cyclicâ€unsaturated diaminocarbenes using <scp>DFT</scp> method. Journal of Physical Organic Chemistry, 2019, 32, e3898.	1.9	8
47	Gallic acid-functionalized magnetic nanoparticles: a convenient and green approach for synthesis of Î±-aminonitriles under solvent-free conditions. Research on Chemical Intermediates, 2019, 45, 303-314.	2.7	3
48	Mesoporous silica nanoparticles in an efficient solvent-free transamidation of carboxamides with amines: an exhibition of a green recyclable nanocatalyst. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	3
49	Effect of Nanoclinoptilolite/Nanohydroxyapatite mixtures on phosphorus solubility in soil. Journal of Plant Nutrition, 2018, 41, 1227-1239.	1.9	2
50	Theoretical descriptions of novel triplet germylenes M1-Ge-M2-M3 (M1Â= H, Li, Na, K; M2Â= Be, Mg, Ca; M3Â=) Tj ETQq0 0 0 rgBT /Over	1.8	11
51	Î²-Enaminones over recyclable nano-CoFe2O4: a highly efficient solvent-free green protocol. Research on Chemical Intermediates, 2018, 44, 5787-5799.	2.7	10
52	Controlling dielectric permittivity and dielectric loss by starchâ€coated silver nanoparticles in ethyleneâ€“propylene rubber. Polymer Composites, 2018, 39, 1303-1310.	4.6	6
53	Cu(II) immobilized on mesoporous organosilica as an efficient and reusable nanocatalyst for oneâ€pot Biginelli reaction under solventâ€free conditions. Applied Organometallic Chemistry, 2018, 32, e4106.	3.5	7
54	Suspended graphene oxide nanoparticle for accelerated multilayer osteoblast attachment. Journal of Biomedical Materials Research - Part A, 2018, 106, 293-303.	4.0	22

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55	Does gold cluster promote or scavenge radicals? A controversy at <scp>DFT</scp>. Journal of Physical Organic Chemistry, 2018, 31, e3776.	1.9	3
56	NewtripletsilylenesMâ€“Siâ€“Mâ€²â€“Xalongwithsomeunusualcyclicforms(M=Li,Na,andK;Mâ€²=Be,Mg,andCa;X=F,Cl,andBr). Turkish Journal of Chemistry, 2018, 42, 974-987.	1.2	4
57	Synthesis of quinazolines over recyclable Fe₃O₄@SiO₂â€PrNH₂â€Fe³⁺ nanoparticles: A green, efficient, and solventâ€free protocol. Applied Organometallic Chemistry, 2018, 32, e4573.	3.5	18
58	Removal of Nitrate and Phosphate from Water by Clinoptilolite-Supported Iron Hydroxide Nanoparticle. Arabian Journal for Science and Engineering, 2017, 42, 2433-2439.	3.0	15
59	Ionic liquidâ€functionalized mesoporous silica nanoparticles ([pmim]FeCl 4 /MSNs): Efficient nanocatalyst for solventâ€free synthesis of N , N â€²â€diarylâ€substituted formamidines. Applied Organometallic Chemistry, 2017, 31, e3800.	3.5	7
60	Cuâ€“Immobilized Mesoporous Silica Nanoparticles [Cu²⁺@MSNsâ€(CO₂^{â^’})₂] as an Efficient Nanocatalyst for Oneâ€Pot Synthesis of Pyrazolopyranopyrimidines in Water. ChemistrySelect, 2017, 2, 9642-9646.	1.5	16
61	Synthetic nanozeolite/nanohydroxyapatite as a phosphorus fertilizer for German chamomile (Matricariachamomillaâ€‰L.). Industrial Crops and Products, 2017, 95, 444-452.	5.2	58
62	Effects of nano Fe/SiO₂fertilizers on germination and growth of barley and maize. Archives of Agronomy and Soil Science, 2017, 63, 817-826.	2.6	83
63	Phytotoxicity of Chitosan and SiO2 Nanoparticles to Seed Germination of Wheat (Triticum aestivum L.) and Barley (Hordeum vulgare L.) Plants. Notulae Scientia Biologicae, 2017, 9, 242-249.	0.4	22
64	Homopiperazine sulfamic acid functionalized mesoporous silica nanoparticles (MSNs-HPZ-SO₃H) as an efficient catalyst for one-pot synthesis of 1-amidoalkyl-2-naphthols. New Journal of Chemistry, 2016, 40, 4720-4726.	2.8	30
65	Mesoporous silica nanoparticles (MSNs) as an efficient and reusable nanocatalyst for synthesis of Î²-amino ketones through one-pot three-component Mannich reactions. RSC Advances, 2016, 6, 32183-32188.	3.6	8
66	Green synthesis of primary, secondary, and tertiary amides through oxidative amidation of methyl groups with amine hydrochlorides over recyclable CoFe₂O₄ NPs. RSC Advances, 2016, 6, 106873-106879.	3.6	7
67	Synthesis of 2,4,5â€trisubstituted imidazoles over reusable CoFe₂O₄ nanoparticles: an efficient and green sonochemical process. Applied Organometallic Chemistry, 2016, 30, 561-565.	3.5	36
68	Nucleophilicity of normal and abnormal N-heterocyclic carbenes at DFT: steric effects on tetrazole-5-ylidenes. RSC Advances, 2016, 6, 13224-13233.	3.6	16
69	Removal of toxic Cr(VI) from water by a novel magnetic chitosan/glyoxal/PVA hydrogel film. Desalination and Water Treatment, 2016, 57, 14266-14279.	1.0	22
70	Antimicrobial properties of poly (methyl methacrylate) acrylic resins incorporated with silicon dioxide and titanium dioxide nanoparticles on cariogenic bacteria. Journal of Orthodontic Science, 2016, 5, 7.	0.8	53
71	Nanocrystalline TiO₂, via green combustion synthesis, as an efficient and reusable catalyst for the preparation of 1,8â€dioxooctahydroxanthenes and 1,8â€dioxodecahydroacridines. Applied Organometallic Chemistry, 2015, 29, 793-797.	3.5	14
72	Substituent effects on cyclononaâ€3,5,7â€trienylidenes: a quest for stable carbenes at density functional theory level. Journal of Physical Organic Chemistry, 2015, 28, 514-526.	1.9	25

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73	Magnetic CuO nanoparticles supported on graphene oxide as an efficient catalyst for A3-coupling synthesis of propargylamines. Chinese Chemical Letters, 2015, 26, 1085-1090.	9.0	45
74	A quest for stable 2,5-bis(halobora)cyclopentenylidene and its Si, Ge, Sn and Pb analogs at theoretical levels. RSC Advances, 2015, 5, 43319-43327.	3.6	18
75	Mesoporous silica nanoparticles in an efficient, solvent-free, green synthesis of acridinediones. Catalysis Communications, 2015, 60, 100-104.	3.3	17
76	Cyclacenes and short zigzag nanotubes with alternanting Geâ€•C bonds: theoretical impacts of Ge on the ground state, strain, and band gap. Journal of Physical Organic Chemistry, 2014, 27, 735-746.	1.9	18
77	Comparison of nitrate removal from water via graphene oxide coated Fe, Ni and Co nanoparticles. Materials Research Bulletin, 2014, 54, 34-40.	5.2	46
78	Visible light photocatalytic activity of reduced graphene oxide synergistically enhanced by successive inclusion of Î³-Fe2O3, TiO2, and Ag nanoparticles. Materials Science in Semiconductor Processing, 2014, 26, 69-78.	4.0	31
79	Polyaniline nanotubes coated with TiO2&Î³-Fe2O3@graphene oxide as a novel and effective visible light photocatalyst for removal of rhodamine B from water. Solid State Sciences, 2014, 38, 143-149.	3.2	34
80	Ylide stabilized carbenes: a computational study. Journal of Physical Organic Chemistry, 2014, 27, 902-908.	1.9	11
81	Solvent effects on arc discharge fabrication of durable silver nanopowder and its application as a recyclable catalyst for elimination of toxic p-nitrophenol. Chemical Engineering Journal, 2014, 257, 105-111.	12.7	33
82	Immobilized silver on surface-modified ZnO nanoparticles: As an efficient catalyst for synthesis of propargylamines in water. Journal of Molecular Catalysis A, 2014, 395, 52-57.	4.8	49
83	An efficient stereoselective synthesis of functionalized vinyl ethers. Journal of the Iranian Chemical Society, 2014, 11, 1483-1492.	2.2	2
84	Chitosan synergistically enhanced by successive Fe3O4 and silver nanoparticles as a novel green catalyst in one-pot, three-component synthesis of tetrahydrobenzo[Î±]xanthene-11-ones. Journal of Molecular Catalysis A, 2014, 393, 309-316.	4.8	54
85	Stabilization of Carbenes via α-Ylide Substitutions: A Computational Quest for New Divalents at DFT. Combinatorial Chemistry and High Throughput Screening, 2014, 17, 674-680.	1.1	0
86	Diastereoselective Synthesis of N-(p-Tosylsulfonyl)-2-Phenylaziridine Over a Novel Magnetically Recyclable Cu(II) Catalyst Accompanied with the NInversion Assessment at DFT. Combinatorial Chemistry and High Throughput Screening, 2014, 17, 756-762.	1.1	1
87	Breathing viability into cyclonona-3,5,7-trienylidenes via Î±-dimethyl and Î¬-moieties at DFT. Journal of Physical Organic Chemistry, 2013, 26, 540-550.	1.9	26
88	Sulfochitosan encapsulated nano-Fe3O4 as an efficient and reusable magnetic catalyst for green synthesis of 2-amino-4H-chromen-4-yl phosphonates. Journal of Molecular Catalysis A, 2013, 380, 152-158.	4.8	63
89	A selective nanocatalyst for an efficient Ugi reaction: Magnetically recoverable Cu(acac)2/NH2-T/SiO2@Fe3O4 nanoparticles. Journal of Chemical Sciences, 2013, 125, 1347-1357.	1.5	18
90	The effect of TiO2 and SiO2 nanoparticles on flexural strength of poly (methyl methacrylate) acrylic resins. Journal of Prosthodontic Research, 2013, 57, 15-19.	2.8	118

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91	Silica nanoparticles immobilized benzoylthiourea ferrous complex as an efficient and reusable catalyst for one-pot synthesis of benzopyranopyrimidines. Journal of Molecular Catalysis A, 2013, 378, 135-141.	4.8	30
92	2,2,9,9â€Tetramethylcyclononaâ€3,5,7â€trienylidene vs. its heterocyclic analogues: A quest for stable carbenes at DFT. Journal of Physical Organic Chemistry, 2013, 26, 908-916.	1.9	25
93	Iron-Catalyzed Formation of C-Se and C-Te Bonds through Cross Coupling of Aryl Halides with Se(0) and Te(0)/Nano-Fe3O4@GO. Synthesis, 2013, 45, 2337-2342.	2.3	32
94	Effect of silver nano particles on flexural strength of acrylic resins. Journal of Prosthodontic Research, 2012, 56, 120-124.	2.8	66
95	Effects of Î±-mono heteroatoms (N vs. P), and Î²-conjugation on cyclic silylenes. Computational and Theoretical Chemistry, 2012, 1001, 39-43.	2.5	16
96	Nanosteel synthesis via arc discharge: media and current effects. Journal of the Iranian Chemical Society, 2012, 9, 151-156.	2.2	14
97	Nano TiO2 as a heterogeneous catalyst in an efficient one-pot three-component Mannich synthesis of Î²-aminocarbonyls. Chinese Chemical Letters, 2011, 22, 1203-1203.	9.0	33
98	In situ formation of silver nanoparticles in PMMA via reduction of silver ions by butylated hydroxytoluene. Structural Chemistry, 2011, 22, 11-15.	2.0	37
99	Nitrate removal from water using iron nanoparticles produced by arc discharge vs. reduction. Chemical Engineering Journal, 2011, 166, 490-495.	12.7	92
100	From acyclic dialkylcarbene to the unsaturated cyclic heteroatom substituted ones: a survey of stability. Journal of Physical Organic Chemistry, 2011, 24, 351-359.	1.9	14
101	Effects of Î±â€cyclopropyl on heterocyclic carbenes stability at DFT. Journal of Physical Organic Chemistry, 2011, 24, 1022-1029.	1.9	7
102	Magnetic Fe3O4-graphene oxide/polystyrene: Fabrication and characterization of a promising nanocomposite. Chemical Engineering Journal, 2011, 172, 540-549.	12.7	281
103	Sulfamic acid-functionalized magnetic Fe3O4 nanoparticles as an efficient and reusable catalyst for one-pot synthesis of Î±-amino nitriles in water. Applied Catalysis A: General, 2011, 395, 28-33.	4.3	204
104	Stable silylenes with acyclic, cyclic, and unsaturated cyclic structures: Effects of heteroatoms and cyclopropyl Î±-substituents at DFT. Journal of Organometallic Chemistry, 2011, 696, 2059-2064.	1.8	11
105	Novel Î±-spirocyclic (alkyl)(amino)carbenes at the theoretical crossroad of flexibility and rigidity. Structural Chemistry, 2010, 21, 593-598.	2.0	31
106	An efficient oneâ€pot solventâ€free synthesis of 2,3â€dihydroquinazolineâ€4(1H)â€ones via Al/Al₂O₃ nanoparticles. Journal of Heterocyclic Chemistry, 2010, 47, 1421-1424.	2.6	37
107	Diverse tungsten nanoparticles via arc discharge. Journal of Manufacturing Processes, 2010, 12, 85-91.	5.9	8
108	Pyridine derived N-heterocyclic germylenes: A density functional perspective. Journal of Organometallic Chemistry, 2010, 695, 760-765.	1.8	8

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109	Heteroatom impacts on structure, stability and aromaticity of XnC20â^'n fullerenes: A theoretical prediction. Computational and Theoretical Chemistry, 2010, 940, 19-28.	1.5	21
110	Carbenes with Reduced Heteroatom Stabilization: A Computational Approach. Journal of Organic Chemistry, 2010, 75, 2539-2545.	3.2	47
111	ZnO Nanoparticles as an Efficient Catalyst for the One-Pot Synthesis of Î±-Amino Phosphonates. Synlett, 2009, 2009, 1326-1330.	1.8	34
112	Silabenzene through divalent precursors at theoretical levels. Monatshefte FÃ¼r Chemie, 2009, 140, 33-38.	1.8	8
113	Toward stable N-heterocyclic silylenes at theoretical levels. Computational and Theoretical Chemistry, 2009, 913, 16-21.	1.5	10
114	A theoretical investigation into dimethylcarbene and its diamino and diphosphino analogs: effects of cyclization and unsaturation on the stability and multiplicity. Journal of Physical Organic Chemistry, 2009, 22, 919-924.	1.9	28
115	A DFT study on pyridine-derived N-heterocyclic carbenes. Tetrahedron, 2009, 65, 10093-10098.	1.9	36
116	Novel disilyleno- and digermylenocarbenes and SiSi containing cyclopropenylidenes at theoretical levels. Computational and Theoretical Chemistry, 2009, 893, 48-55.	1.5	0
117	A novel triplet germylene F3CGeGeH at theoretical levels. Computational and Theoretical Chemistry, 2009, 899, 46-53.	1.5	3
118	Racemizations of diazacycloheptatetraenes through singlet diazacycloheptatrienylidenes at theoretical levels. Computational and Theoretical Chemistry, 2009, 913, 185-194.	1.5	0
119	Al nanoparticles: Impact of media and current on the arc fabrication. Journal of Manufacturing Processes, 2009, 11, 31-37.	5.9	31
120	Synthesis of antibacterial silver nanoparticles by Î³-irradiation. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 42, 132-135.	2.7	40
121	Thermal, spectroscopic, X-ray powder diffraction, fluorescence, and structural studies of [Pb(Î¼-4-pyc)(Î¼-Br)] _n , new mixed-anion lead(II) 3-D coordination polymers. Journal of Coordination Chemistry, 2009, 62, 1784-1790.	2.2	12
122	How steric effects favor thiepins over their benzene sulfide tautomers at theoretical levels?. Computational and Theoretical Chemistry, 2008, 861, 117-121.	1.5	13
123	Oneâ€Pot Fourâ€Component Synthesis of Tetrasubstituted Pyrroles. Helvetica Chimica Acta, 2008, 91, 227-231.	1.6	14
124	Antibacterial effects of a new dental acrylic resin containing silver nanoparticles. Journal of Applied Polymer Science, 2008, 110, 1699-1703.	2.6	103
125	Theoretical impacts of terminal atoms (C, B, N, and P) on fragments of single-walled hetero carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 3187-3192.	2.7	3
126	Î³-Ray synthesis of starch-stabilized silver nanoparticles with antibacterial activities. Radiation Physics and Chemistry, 2008, 77, 1074-1078.	2.8	72

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127	Beyond benzene sulfides and thiepins: Tautomerizations and thiepins inversions at theoretical levels. Computational and Theoretical Chemistry, 2008, 848, 67-73.	1.5	10
128	Divalency switch from carbenes to germylenes at theoretical levels. Computational and Theoretical Chemistry, 2008, 849, 37-45.	1.5	7
129	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
130	Triplet germylenes with separable minima at ab initio and DFT levels. Computational and Theoretical Chemistry, 2008, 866, 52-57.	1.5	18
131	Media effects on nanobrass arc fabrications. Journal of Alloys and Compounds, 2008, 453, 229-232.	5.5	20
132	Synthesis of novel 3,4â€diarylâ€1Hâ€pyrroles. Journal of Heterocyclic Chemistry, 2007, 44, 471-474.	2.6	19
133	Umbrella inversions of cyclononatetraenylidenes at ab initio and DFT. Computational and Theoretical Chemistry, 2007, 810, 53-64.	1.5	8
134	Ring flips of allenes (C9H7X) 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
135	Effects of group 14â€“16 heteroatoms on the aromaticity of benzene at DFT level. Computational and Theoretical Chemistry, 2007, 816, 153-160.	1.5	21
136	Detours for Reaching at New Germylenes, Silylenes, Carbenes, and Carbenogermylenes through Substituted Cyclopropenylidenes at Ab initio and DFT Levels. Monatshefte FÃ¼r Chemie, 2007, 138, 833-848.	1.8	5
137	A quest for triplet silylenes XHSi3 at ab initio and DFT levels (X=H, F, Cl and Br). Journal of Organometallic Chemistry, 2006, 691, 1845-1856.	1.8	9
138	A theoretical study on phosphasilylenes CPSi-X (X=H, CN, NH2 and OMe). Computational and Theoretical Chemistry, 2006, 761, 7-16.	1.5	9
139	Energetics of photoconversion of norbornadiene to quadricyclane: Effects of directly attached substituents via ab initio and DFT. Computational and Theoretical Chemistry, 2006, 763, 13-19.	1.5	7
140	From halo-azasilylenes to halo-phosphasilylenes (X-CNSi vs. X-CPSi) at ab initio and DFT levels. Journal of Organometallic Chemistry, 2006, 691, 2666-2678.	1.8	7
141	Switching of global minima of novel germylenic reactive intermediates via halogens (X): C2GeH2 vs. C2GeHX at ab initio and DFT levels. Journal of Organometallic Chemistry, 2006, 691, 2933-2944.	1.8	15
142	Singletâ€triplet energy separations in divalent five-membered cyclic conjugated C5H3X, C4H3SiX, C4H3GeX, C4H3SnX, and C4H3PbX (X=H, F, Cl, and Br). Journal of Organometallic Chemistry, 2005, 690, 3427-3439.	1.8	48
143	In search of triplet ground state GeCNX germylenes (X=H, F, Cl, and Br): An ab initio and DFT study. Journal of Organometallic Chemistry, 2005, 690, 4692-4703.	1.8	28
144	Different relative rates for photo-rearrangements of (E)- and (Z)-Î²-nitrostyrene derivatives to oximinoketones. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 172, 331-336.	3.9	3

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145	Ab initio NQR study of piperidine umbrella inversions. Computational and Theoretical Chemistry, 2005, 713, 245-254.	1.5	9
146	Substituent effects on tautomerization of oxepine to benzene oxide: a Hammett study via ab initio. Computational and Theoretical Chemistry, 2005, 715, 107-115.	1.5	14
147	Solar energy storage in norbornadieneâ€“quadricyclane system: electronic effects via ab initio computations. Computational and Theoretical Chemistry, 2005, 716, 159-163.	1.5	13
148	Ab initio study of singletâ€“triplet energy separations in C2HXSi silylenes (X=H, F, Cl and Br). Computational and Theoretical Chemistry, 2005, 722, 151-160.	1.5	28
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