

Mohamad Zaman Kassaee

List of Publications by Year in descending order

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172
papers

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174
docs citations

174
times ranked

3638
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.	1.8	4
2	Capture of CO ₂ by novel diiodoimidazoliumvinylidene: A theoretical quest. Journal of Physical Organic Chemistry, 2022, 35, .	0.9	5
3	A quest for substituent effects on novel diamino(phosphino)phosphinidenes using density functional theory method. Journal of Physical Organic Chemistry, 2022, 35, .	0.9	0
4	Theoretical descriptions of novel bicyclic stannylenes and their halogenated derivatives. Journal of the Iranian Chemical Society, 2022, 19, 3837-3843.	1.2	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, .	0.8	2
6	Borasilylenes in Focus: Topological Effects of Nitrogen Atoms by DFT. Silicon, 2021, 13, 3377-3383.	1.8	6
7	New N-heterocyclic plumblyenes (NHPbs) and their complexes with palladium and platinum by DFT. Structural Chemistry, 2021, 32, 731-757.	1.0	0
8	Stable four-membered cyclosilylenes at theoretical levels. Journal of the Chinese Chemical Society, 2021, 68, 541-550.	0.8	3
9	New N-heterocyclic mono and disilavinylidene iron complexes by density functional theory. Journal of Physical Organic Chemistry, 2021, 34, e4148.	0.9	0
10	Nickel-Copper bimetallic mesoporous nanoparticles: As an efficient heterogeneous catalyst for N-alkylation of amines with alcohols. Applied Organometallic Chemistry, 2021, 35, .	1.7	4
11	Comparison of bis(alkylthio)carbenes by density functional and Second-order Møller-Plesset perturbation theory. Journal of Physical Organic Chemistry, 2021, 34, .	0.9	0
12	Predicting novel strong acids of plumblyene at theoretical levels. Journal of Physical Organic Chemistry, 2021, 34, e4139.	0.9	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, .	0.9	1
14	A quest for stable bicyclic carbenes with one, two, and three carbenic centers at theoretical level. Structural Chemistry, 2021, 32, 1105-1112.	1.0	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.	0.8	8
16	Efficient synthesis of symmetrical anhydrides by cross dehydrogenative coupling of aryl aldehydes over CuFe ₂ O ₄ nanoparticles. Monatshefte für Chemie, 2021, 152, 461-468.	0.9	1
17	Estimating the stability and reactivity of novel bicyclic germlyenes at density functional theory. Journal of Physical Organic Chemistry, 2021, 34, e4208.	0.9	2
18	Substitution effects on novel bicyclo[2.2.1]hepta-7-silylenes by DFT. Journal of Molecular Modeling, 2021, 27, 121.	0.8	4

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19	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
20	A Quest for (sila)0-4cyclopentasilenes and their Arduengo Analogs by DFT. <i>Silicon</i> , 2021, 13, 939-960.	1.8	3
21	Novel phenolic compounds by DFT : Electronic effects on antioxidant activity of 4-vinylphenol derivatives. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 817-825.	0.8	1
22	Novel azaborastannylenes by DFT. <i>Computational and Theoretical Chemistry</i> , 2020, 1190, 112998.	1.1	6
23	New Hydroxylated Cyclic and Acyclic Silylenes Via DFT. <i>Silicon</i> , 2020, 13, 3385.	1.8	1
24	Novel silylphenol antioxidants by density functional theory. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 1986-1991.	0.8	3
25	Effects of H-bonding and structural constituents on the acidity and potential "anticancer activity" of D-mandelonitrile- ¹² -D-glucuronic acid by density functional theory. <i>Research on Chemical Intermediates</i> , 2020, 46, 4359-4381.	1.3	1
26	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
27	A theoretical investigation into novel germlylenes: effects of nitrogen substitution on stability and multiplicity. <i>Journal of Molecular Modeling</i> , 2020, 26, 325.	0.8	4
28	New pathways of stability for NHCs derived from azole, di-azole, n-tetrazole, and ab-tetrazole, by DFT. <i>Journal of Molecular Modeling</i> , 2020, 26, 324.	0.8	2
29	Novel halogenated cyclopentasilene- ^{2,4} -dienes via DFT. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 692-702.	0.8	8
30	Novel triplet silavinylidenes via density functional theory. <i>Journal of Physical Organic Chemistry</i> , 2020, 33, e4074.	0.9	1
31	New monodentate and bidentate silylene ligands by DFT. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 1544-1551.	0.8	3
32	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
33	Substituent effects on novel diaminovinylidenes by DFT. <i>Research on Chemical Intermediates</i> , 2020, 46, 2289-2308.	1.3	5
34	From singlet R ₂ Si silylene to triplet R ₂ Si ground state by DFT. <i>Journal of Physical Organic Chemistry</i> , 2020, 33, e4053.	0.9	10
35	Novel tetrazol-germavinylidenes with triplet monomeric, normal, and abnormal forms studied using DFT method. <i>Journal of Physical Organic Chemistry</i> , 2020, 33, e4051.	0.9	0
36	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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37	Electronic effects on diaminocarbenes: a theoretical quest. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3996.	0.9	3
38	Silicon photosensitizers in cancer therapy: Theoretical studies on novel 5- <i>methoxypsoralens</i> . <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e4007.	0.9	5
39	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
40	Magnetically recyclable nano copper/chitosan in arylation of phenols with aryl halides. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5042.	1.7	19
41	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
42	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
43	Efficient synthesis of α -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
44	Nucleophilicity of cyclic conjugated silylenes using DFT method. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3956.	0.9	13
45	Novel triplet germynes in focus: normal vs. abnormal triplet exocyclic tetrazol-5-vinylidene germynes at DFT. <i>Journal of Molecular Modeling</i> , 2019, 25, 371.	0.8	1
46	Steric effects on normal and abnormal acyclic, cyclic saturated, and cyclic unsaturated diaminocarbenes using DFT method. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3898.	0.9	8
47	Gallic acid-functionalized magnetic nanoparticles: a convenient and green approach for synthesis of α -aminonitriles under solvent-free conditions. <i>Research on Chemical Intermediates</i> , 2019, 45, 303-314.	1.3	3
48	Mesoporous silica nanoparticles in an efficient solvent-free transamidation of carboxamides with amines: an exhibition of a green recyclable nanocatalyst. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	3
49	Effect of Nanoclinoptilolite/Nanohydroxyapatite mixtures on phosphorus solubility in soil. <i>Journal of Plant Nutrition</i> , 2018, 41, 1227-1239.	0.9	2
50	Theoretical descriptions of novel triplet germynes M ₁ -Ge-M ₂ -M ₃ (M ₁ = H, Li, Na, K; M ₂ = Be, Mg, Ca; M ₃ =) <i>Journal of Physical Organic Chemistry</i> , 2018, 31, 1.	0.8	1
51	α -Enaminones over recyclable nano-CoFe ₂ O ₄ : a highly efficient solvent-free green protocol. <i>Research on Chemical Intermediates</i> , 2018, 44, 5787-5799.	1.3	10
52	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
53	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
54	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

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55	Does gold cluster promote or scavenge radicals? A controversy at <sc>DFT</sc>. Journal of Physical Organic Chemistry, 2018, 31, e3776.	0.9	3
56	New tripletsilylenes $\text{Si}^{\text{M}}\text{Si}^{\text{M}}\text{X}$ along with some unusual cyclic forms (M=Li, Na, and K; $\text{M}^{\text{E}2}$ =Be, Mg, and Ca; X=F, Cl, and Br) ₄ . Turkish Journal of Chemistry, 2018, 42, 974-987.	0.5	4
57	Synthesis of quinazolines over recyclable $\text{Fe}_{3}\text{O}_{4}/\text{SiO}_{2}/\text{PrNH}_{2}/\text{Fe}^{3+}$ nanoparticles: A green, efficient, and solvent-free protocol. Applied Organometallic Chemistry, 2018, 32, e4573.	1.7	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.	1.7	15
59	Ionic liquid-functionalized mesoporous silica nanoparticles ($[\text{pmim}]\text{FeCl}_{4}/\text{MSNs}$): Efficient nanocatalyst for solvent-free synthesis of N, N-dialkyl-substituted formamides. Applied Organometallic Chemistry, 2017, 31, e3800.	1.7	7
60	Cu-immobilized Mesoporous Silica Nanoparticles $[\text{Cu}^{2+}/\text{MSNs}(\text{CO}_{2})_{2}]$ as an Efficient Nanocatalyst for One-Pot Synthesis of Pyrazolopyranopyrimidines in Water. ChemistrySelect, 2017, 2, 9642-9646.	0.7	16
61	Synthetic nanozeolite/nanohydroxyapatite as a phosphorus fertilizer for German chamomile (<i>Matricaria chamomilla</i> L.). Industrial Crops and Products, 2017, 95, 444-452.	2.5	58
62	Effects of nano Fe/SiO_{2} fertilizers on germination and growth of barley and maize. Archives of Agronomy and Soil Science, 2017, 63, 817-826.	1.3	83
63	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. Notulae Scientia Biologicae, 2017, 9, 242-249.	0.1	22
64	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. New Journal of Chemistry, 2016, 40, 4720-4726.	1.4	30
65	Mesoporous silica nanoparticles (MSNs) as an efficient and reusable nanocatalyst for synthesis of β -amino ketones through one-pot three-component Mannich reactions. RSC Advances, 2016, 6, 32183-32188.	1.7	8
66	Green synthesis of primary, secondary, and tertiary amides through oxidative amidation of methyl groups with amine hydrochlorides over recyclable $\text{CoFe}_{2}\text{O}_{4}$ NPs. RSC Advances, 2016, 6, 106873-106879.	1.7	7
67	Synthesis of 2,4,5-trisubstituted imidazoles over reusable $\text{CoFe}_{2}\text{O}_{4}$ nanoparticles: an efficient and green sonochemical process. Applied Organometallic Chemistry, 2016, 30, 561-565.	1.7	36
68	Nucleophilicity of normal and abnormal N-heterocyclic carbenes at DFT: steric effects on tetrazole-5-ylidenes. RSC Advances, 2016, 6, 13224-13233.	1.7	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.	0.2	53
71	Nanocrystalline TiO_{2} , via green combustion synthesis, as an efficient and reusable catalyst for the preparation of 1,8-dioxooctahydroxanthenes and 1,8-dioxodecahydroacridines. Applied Organometallic Chemistry, 2015, 29, 793-797.	1.7	14
72	Substituent effects on cyclonona- β ,5,7-trienylidenes: a quest for stable carbenes at density functional theory level. Journal of Physical Organic Chemistry, 2015, 28, 514-526.	0.9	25

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73	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
74	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
75	Mesoporous silica nanoparticles in an efficient, solvent-free, green synthesis of acridinediones. <i>Catalysis Communications</i> , 2015, 60, 100-104.	1.6	17
76	Cyclacenes and short zigzag nanotubes with alternanting 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
77	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
78	Visible light photocatalytic activity of reduced graphene oxide synergistically enhanced by successive inclusion of β -Fe ₂ O ₃ , TiO ₂ , and Ag nanoparticles. <i>Materials Science in Semiconductor Processing</i> , 2014, 26, 69-78.	1.9	31
79	Polyaniline nanotubes coated with TiO ₂ & β -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
80	Ylide stabilized carbenes: a computational study. <i>Journal of Physical Organic Chemistry</i> , 2014, 27, 902-908.	0.9	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. <i>Chemical Engineering Journal</i> , 2014, 257, 105-111.	6.6	33
82	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
83	An efficient stereoselective synthesis of functionalized vinyl ethers. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 1483-1492.	1.2	2
84	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>l</i>]xanthene-11-ones. <i>Journal of Molecular Catalysis A</i> , 2014, 393, 309-316.	4.8	54
85	Stabilization of Carbenes via β -Ylide Substitutions: A Computational Quest for New Divalents at DFT. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2014, 17, 674-680.	0.6	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. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2014, 17, 756-762.	0.6	1
87	Breathing viability into cyclonona-3,5,7-trienylidenes <i>via</i> β -dimethyl and β -moieties at DFT. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 540-550.	0.9	26
88	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
89	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
90	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

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91	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
92	2,2,9,9-tetramethylcyclonona-3,5,7-trienylidene <i>vs</i>. its heterocyclic analogues: A quest for stable carbenes at DFT. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 908-916.	0.9	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-Fe ₃ O ₄ @GO. <i>Synthesis</i> , 2013, 45, 2337-2342.	1.2	32
94	Effect of silver nano particles on flexural strength of acrylic resins. <i>Journal of Prosthodontic Research</i> , 2012, 56, 120-124.	1.1	66
95	Effects of $\hat{\sigma}$ -mono heteroatoms (N vs. P), and $\hat{\sigma}^2$ -conjugation on cyclic silylenes. <i>Computational and Theoretical Chemistry</i> , 2012, 1001, 39-43.	1.1	16
96	Nanosteel synthesis via arc discharge: media and current effects. <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 151-156.	1.2	14
97	Nano TiO ₂ as a heterogeneous catalyst in an efficient one-pot three-component Mannich synthesis of $\hat{\sigma}^2$ -aminocarbonyls. <i>Chinese Chemical Letters</i> , 2011, 22, 1203-1203.	4.8	33
98	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
99	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
100	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
101	Effects of $\hat{\sigma}$ -cyclopropyl on heterocyclic carbenes stability at DFT. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 1022-1029.	0.9	7
102	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
103	Sulfamic acid-functionalized magnetic Fe ₃ O ₄ nanoparticles as an efficient and reusable catalyst for one-pot synthesis of $\hat{\sigma}$ -amino nitriles in water. <i>Applied Catalysis A: General</i> , 2011, 395, 28-33.	2.2	204
104	Stable silylenes with acyclic, cyclic, and unsaturated cyclic structures: Effects of heteroatoms and cyclopropyl $\hat{\sigma}$ -substituents at DFT. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2059-2064.	0.8	11
105	Novel $\hat{\sigma}$ -spirocyclic (alkyl)(amino)carbenes at the theoretical crossroad of flexibility and rigidity. <i>Structural Chemistry</i> , 2010, 21, 593-598.	1.0	31
106	An efficient one-pot solvent-free synthesis of 2,3-dihydroquinazolin-4(1H)-ones <i>via</i> Al/Al ₂ O ₃ nanoparticles. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 1421-1424.	1.4	37
107	Diverse tungsten nanoparticles via arc discharge. <i>Journal of Manufacturing Processes</i> , 2010, 12, 85-91.	2.8	8
108	Pyridine derived N-heterocyclic germylenes: A density functional perspective. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 760-765.	0.8	8

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109	Heteroatom impacts on structure, stability and aromaticity of X_nC_{20-n} fullerenes: A theoretical prediction. <i>Computational and Theoretical Chemistry</i> , 2010, 940, 19-28.	1.5	21
110	Carbenes with Reduced Heteroatom Stabilization: A Computational Approach. <i>Journal of Organic Chemistry</i> , 2010, 75, 2539-2545.	1.7	47
111	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
112	Silabenzene through divalent precursors at theoretical levels. <i>Monatshefte für Chemie</i> , 2009, 140, 33-38.	0.9	8
113	Toward stable N-heterocyclic silylenes at theoretical levels. <i>Computational and Theoretical Chemistry</i> , 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. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 919-924.	0.9	28
115	A DFT study on pyridine-derived N-heterocyclic carbenes. <i>Tetrahedron</i> , 2009, 65, 10093-10098.	1.0	36
116	Novel disilyleno- and digermolenocarbenes and SiSi containing cyclopropenylidenes at theoretical levels. <i>Computational and Theoretical Chemistry</i> , 2009, 893, 48-55.	1.5	0
117	A novel triplet germylene $F_3CGeGeH$ at theoretical levels. <i>Computational and Theoretical Chemistry</i> , 2009, 899, 46-53.	1.5	3
118	Racemizations of diazacycloheptatetraenes through singlet diazacycloheptatrienylidenes at theoretical levels. <i>Computational and Theoretical Chemistry</i> , 2009, 913, 185-194.	1.5	0
119	Al nanoparticles: Impact of media and current on the arc fabrication. <i>Journal of Manufacturing Processes</i> , 2009, 11, 31-37.	2.8	31
120	Synthesis of antibacterial silver nanoparticles by γ -irradiation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 42, 132-135.	1.3	40
121	Thermal, spectroscopic, X-ray powder diffraction, fluorescence, and structural studies of $[Pb(\eta^4\text{-pyc})(\eta^4\text{-Br})]_n$, new mixed-anion lead(II) 3-D coordination polymers. <i>Journal of Coordination Chemistry</i> , 2009, 62, 1784-1790.	0.8	12
122	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
123	One-Pot Four-Component Synthesis of Tetrasubstituted Pyrroles. <i>Helvetica Chimica Acta</i> , 2008, 91, 227-231.	1.0	14
124	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
125	Theoretical impacts of terminal atoms (C, B, N, and P) on fragments of single-walled hetero carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 3187-3192.	1.3	3
126	γ -Ray synthesis of starch-stabilized silver nanoparticles with antibacterial activities. <i>Radiation Physics and Chemistry</i> , 2008, 77, 1074-1078.	1.4	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.	2.8	20
132	Synthesis of novel 3,4-diarylpyrroles. Journal of Heterocyclic Chemistry, 2007, 44, 471-474.	1.4	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 (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
135	Effects of group 14-16 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 für Chemie, 2007, 138, 833-848.	0.9	5
137	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
138	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
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
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