

Vladimir A Basiuk

List of Publications by Year in descending order

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222
papers

3,758
citations

136950

32
h-index

214800

47
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all docs

225
docs citations

225
times ranked

3651
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of yttrium bisphthalocyanine on pristine and defect-containing graphene models: A DFT study. <i>Diamond and Related Materials</i> , 2022, 126, 109051.	3.9	5
2	Interaction of free-base and 3d metal(II) phthalocyanines with open-shell endohedral fullerenes species N@C60 and P@C60. <i>Diamond and Related Materials</i> , 2022, 126, 109075.	3.9	2
3	Lanthanide bisphthalocyanine single-molecule magnets: A DFT survey of their geometries and electronic properties from lanthanum to lutetium. <i>Materials Chemistry and Physics</i> , 2022, 287, 126271.	4.0	7
4	Adsorption of Lanthanide Atoms on Graphene: Similar, Yet Different. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6042-6047.	4.6	5
5	Eco-friendly synthesis of graphene oxide-silver nanoparticles hybrids: The effect of amine derivatization. <i>Diamond and Related Materials</i> , 2021, 111, 108208.	3.9	7
6	Solvent-free functionalization of graphene oxide powder and paper with aminobenzo-crown ethers and complexation with alkali metal cations. <i>Materials Chemistry and Physics</i> , 2021, 260, 124127.	4.0	14
7	Photophysical and morphological properties of Langmuir-Blodgett films of benzothiadiazole derivatives. <i>Chemical Papers</i> , 2021, 75, 967-978.	2.2	0
8	Effects of solvent-free amine functionalization of graphene oxide and nanodiamond on bacterial growth. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 58-66.	2.1	6
9	High-energy ball-milling preparation and characterization of Ln2O3-graphite nanocomposites. <i>Materials Today Communications</i> , 2021, 26, 102030.	1.9	7
10	Engineering coumarin-BODIPY thin-films and molecular crystals: Tailoring supramolecular self-assembly for organic electronic applications. <i>Journal of Molecular Structure</i> , 2021, 1239, 130437.	3.6	3
11	Distortion of yttrium bisphthalocyanine (YPc2) upon noncovalent interaction with carbon nanotubes: A DFT study. <i>Materials Today Communications</i> , 2021, 28, 102667.	1.9	3
12	Distortion and bonding strength of phthalocyanine molecules adsorbed on topological defects in graphene. <i>Materials Chemistry and Physics</i> , 2021, 271, 124963.	4.0	7
13	Complexation of free-base and 3d transition metal(II) phthalocyanines with endohedral fullerenes H@C60, H2@C60 and He@C60: The effect of encapsulated species. <i>Diamond and Related Materials</i> , 2021, 118, 108510.	3.9	9
14	Oxygen Evolution Reaction on Single-Walled Carbon Nanotubes Noncovalently Functionalized with Metal Phthalocyanines. <i>ChemElectroChem</i> , 2020, 7, 428-436.	3.4	28
15	A dispersion-corrected density functional theory study of the noncovalent interactions between nucleobases and carbon nanotube models containing stone-wales defects. <i>Journal of Computational Chemistry</i> , 2020, 41, 780-789.	3.3	3
16	Fabrication and characterization of an organic light-emitting diode based on Langmuir-Blodgett films using oligo(phenylenevinylene) derivatives. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 337-346.	2.2	5
17	Thermal smearing in DFT calculations: How small is really small? A case of La and Lu atoms adsorbed on graphene. <i>Materials Today Communications</i> , 2020, 25, 101595.	1.9	18
18	N-doped carbon nanofibers from pyrolysis of free-base phthalocyanine. <i>Diamond and Related Materials</i> , 2020, 105, 107812.	3.9	2

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19	Gadolinium-containing carbon nanomaterials for magnetic resonance imaging: Trends and challenges. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 3779-3794.	3.6	25
20	Generation of paramagnetic centers in carboxylated materials via coordination attachment of diamagnetic tetraazamacrocyclic complexes of nickel(II). <i>Journal of Materials Science</i> , 2020, 55, 5364-5377.	3.7	1
21	Extended push-pull azo-pyrrole photoswitches: synthesis, solvatochromism and optical band gaps. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1657-1670.	2.8	22
22	Interactions of metal phthalocyanines with Stone-Wales defects on single-walled carbon nanotubes: A theoretical study. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	10
23	Preparation and Characterization of a Novel Organic Semiconductor Indacenedithiophene Derivative and the Corresponding Langmuir-Blodgett Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 7244-7250.	0.9	3
24	Effect of structural defects on the strength of adsorption of La and Lu species on graphene. <i>Diamond and Related Materials</i> , 2019, 100, 107597.	3.9	10
25	Phytotoxicity of carbon nanotubes and nanodiamond in long-term assays with Cactaceae plant seedlings. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 141-149.	2.1	13
26	Adsorption of free-base phthalocyanine on Stone-Wales defect-containing carbon nanotubes: A DFT study. <i>Diamond and Related Materials</i> , 2019, 97, 107443.	3.9	24
27	Complexation of free-base and 3d transition metal(II) phthalocyanines with endohedral fullerene Sc ₃ N@C ₈₀ . <i>Chemical Physics Letters</i> , 2019, 722, 146-152.	2.6	31
28	Noncovalent bonding of 3d metal(II) phthalocyanines with single-walled carbon nanotubes: A combined DFT and XPS study. <i>Applied Surface Science</i> , 2019, 470, 622-630.	6.1	49
29	One-step nondestructive functionalization of graphene oxide paper with amines. <i>RSC Advances</i> , 2018, 8, 15253-15265.	3.6	32
30	Noncovalent functionalization of pristine CVD single-walled carbon nanotubes with 3d metal(II) phthalocyanines by adsorption from the gas phase. <i>Applied Surface Science</i> , 2018, 436, 1123-1133.	6.1	32
31	Noncovalent complexes of <i>h</i> ₈₀ fullerene with phthalocyanines. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 69-75.	2.1	21
32	Unusual Microstructure and Mechanical Properties of Egg Case of the Bolas Spider <i>Mastophora corpulenta</i> Banks (Araneae, Araneidae). <i>Fibers and Polymers</i> , 2018, 19, 1632-1639.	2.1	3
33	Evolution of morphology and defect states in mechanically processed ZnO+xMWCNTs nanosystems. <i>Journal of Alloys and Compounds</i> , 2018, 762, 605-615.	5.5	3
34	Carbon Nanotubes and Graphene Promote Pyrolysis of Free-Base Phthalocyanine. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4420-4427.	4.6	16
35	Reactions of microcrystalline fullerene C ₆₀ with amino and aza macrocyclic ligands under solvent-free conditions. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 491-501.	2.1	0
36	Formation of carbon nanodots with different spin states in mechanically processed mixtures of ZnO with carbon nanoparticles: an electron paramagnetic resonance study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 3670-3678.	2.8	7

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37	Noncovalent interactions of free-base phthalocyanine with elongated fullerenes as carbon nanotube models. <i>Structural Chemistry</i> , 2017, 28, 1765-1773.	2.0	23
38	Graphene oxide and nanodiamond: same carboxylic groups, different complexation properties. <i>RSC Advances</i> , 2017, 7, 17442-17450.	3.6	16
39	Complexation of free-base and 3 <i>d</i> transition metal(II) phthalocyanines with fullerene C ₆₀ : A dispersion-corrected DFT study. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 410-416.	2.1	18
40	Computer simulation and experimental self-assembly of irradiated glycine amino acid under magnetic fields: Its possible significance in prebiotic chemistry. <i>BioSystems</i> , 2017, 162, 66-74.	2.0	4
41	Noncovalent interactions of nucleic acid bases with fullerene C ₆₀ and short carbon nanotube models: a dispersion-corrected DFT study. <i>Molecular Simulation</i> , 2017, 43, 205-212.	2.0	6
42	<i>In-Situ</i> Metallization of Thermally-Treated Tobacco Mosaic Virus Using Silver Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4740-4747.	0.9	6
43	Chemical Functionalization of Inner Walls of Carbon Nanotubes with Long-Chain Aliphatic Amines. <i>Nanoscience and Nanotechnology Letters</i> , 2017, 9, 712-718.	0.4	4
44	Solvent-free one-step covalent functionalization of graphene oxide and nanodiamond with amines. <i>RSC Advances</i> , 2016, 6, 113596-113610.	3.6	34
45	Noncovalent interactions of amino acids with fullerene C ₆₀ : A dispersion-corrected DFT study. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 371-379.	2.1	14
46	Solvent-free derivatization of oxidized single-walled carbon nanotubes and nanodiamond with aminobenzo-crown ethers. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 653-661.	2.1	8
47	Solvent-Free Covalent Functionalization of Fullerene C ₆₀ and Pristine Multi-Walled Carbon Nanotubes with Crown Ethers. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 6173-6184.	0.9	8
48	Defect states and morphological evolution in mechanically processed ZnO + xC nanosystems as studied by EPR and photoluminescence spectroscopy. <i>RSC Advances</i> , 2016, 6, 58709-58722.	3.6	9
49	Adsorption and Self-Assembly of Anticancer Antibiotic Doxorubicin on Single-Walled Carbon Nanotubes. <i>Nano</i> , 2016, 11, 1650038.	1.0	19
50	Coordination functionalization of graphene oxide with tetraazamacrocyclic complexes of nickel(II): Generation of paramagnetic centers. <i>Applied Surface Science</i> , 2016, 371, 16-27.	6.1	27
51	<i>Mastophora corpulenta</i> (Banks) Bolas Spider (Araneae: Araneidae) in Central Mexico. <i>Journal of Advanced Microscopy Research</i> , 2016, 11, 156-160.	0.3	1
52	Silica: Adsorption of Biomolecules. , 2015, , 6556-6571.		0
53	Population and QTAIM Analysis of Metalloporphyrin-Fullerene Supramolecular Complexes. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015, 12, 674-681.	0.4	6
54	Interaction of a Ni(II) tetraazaannulene complex with elongated fullerenes as simple models for carbon nanotubes. <i>Journal of Molecular Modeling</i> , 2015, 21, 146.	1.8	14

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55	Solvent-free functionalization of fullerene C ₆₀ and pristine multi-walled carbon nanotubes with aromatic amines. <i>Applied Surface Science</i> , 2015, 328, 45-62.	6.1	22
56	Solvent-free functionalization of carbon nanotube buckypaper with amines. <i>Applied Surface Science</i> , 2015, 357, 1355-1368.	6.1	23
57	Properties of noncovalent tetraphenylporphine-C ₆₀ dyads as studied by different long-range and dispersion-corrected DFT functionals. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27399-27408.	2.8	8
58	Non-covalent attachment of silver nanoclusters onto single-walled carbon nanotubes with human serum albumin as linking molecule. <i>Applied Surface Science</i> , 2015, 331, 271-277.	6.1	6
59	Solvent-Free Functionalization of Carbon Nanomaterials. , 2015, , 163-205.		3
60	Green Chemistry of Carbon Nanomaterials. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 644-672.	0.9	9
61	Dispersion-Corrected Density Functional Theory Calculations of meso-Tetraphenylporphine-C ₆₀ Complex by Using DMol3 Module. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014, 11, 1609-1615.	0.4	49
62	Noncovalent functionalization of graphene with a Ni(II) tetraaza[14]annulene complex. <i>Dalton Transactions</i> , 2014, 43, 7413-7428.	3.3	40
63	Morphology of Different Silk Materials Produced by the Bolas Spider <i>Mastophora</i> (Araneae, Araneidae) from Central Mexico: A Scanning Electron Microscopy Study. <i>Journal of Advanced Microscopy Research</i> , 2014, 9, 186-198.	0.3	0
64	Deposition of silver nanoparticles onto human serum albumin-functionalised multi-walled carbon nanotubes. <i>Canadian Journal of Chemical Engineering</i> , 2013, 91, 264-270.	1.7	11
65	Noncovalent functionalization of single-walled carbon nanotubes with porphyrins. <i>Applied Surface Science</i> , 2013, 275, 168-177.	6.1	26
66	Solvent-free covalent functionalization of nanodiamond with amines. <i>Applied Surface Science</i> , 2013, 275, 324-334.	6.1	35
67	Adsorption of meso-tetraphenylporphines on thin films of C ₆₀ fullerene. <i>Applied Surface Science</i> , 2013, 275, 374-383.	6.1	13
68	Gas-phase noncovalent functionalization of carbon nanotubes with a Ni(II) tetraaza[14]annulene complex. <i>Applied Surface Science</i> , 2013, 270, 634-647.	6.1	17
69	Interaction of Au Atom with Fullerene C ₆₀ : Performance of DFT Functionals Incorporated into the DMol3 Module. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013, 10, 328-333.	0.4	5
70	Effects of Orbital Cutoff in DMol3 DFT Calculations: A Case Study of meso-Tetraphenylporphine-C ₆₀ Complex. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013, 10, 1266-1272.	0.4	27
71	Systemic Phytotoxic Impact of as-Prepared Carbon Nanotubes in Long-Term Assays: A Case Study of <i>Parodia ayopayana</i> (Cactaceae). <i>Science of Advanced Materials</i> , 2013, 5, 1337-1345.	0.7	7
72	Contents of Egg Sacs of a Bolas Spider, <i>Mastophora</i> sp. (Araneae, Araneidae), Infested with a Parasitoid Wasp, <i>Arachnophaga</i> sp. (Insecta, Eupelmidae): A Light Microscopy Examination. <i>Journal of Advanced Microscopy Research</i> , 2013, 8, 39-44.	0.3	0

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73	Theoretical Analysis of the Effect of Surface Defects on Porphyrin Adsorption and Self-Assembly on Graphite. <i>Journal of Computational and Theoretical Nanoscience</i> , 2012, 9, 532-540.	0.4	8
74	Interaction of L-Valine Homopeptides with Fullerene C ₆₀ . <i>Journal of Computational and Theoretical Nanoscience</i> , 2012, 9, 922-930.	0.4	2
75	Cd ²⁺ affects the growth, hierarchical structure and peptide composition of the biosilica of the freshwater diatom <i>Nitzschia palea</i> (K÷tzing) W. Smith. <i>Phycological Research</i> , 2012, 60, 229-240.	1.6	13
76	Nanostructured Diamine-Fullerene Derivatives: Computational Density Functional Theory Study and Experimental Evidence for their Formation via Gas-Phase Functionalization. <i>Journal of Physical Chemistry A</i> , 2012, 116, 1663-1676.	2.5	15
77	Solvent-free covalent functionalization of multi-walled carbon nanotubes and nanodiamond with diamines: Looking for cross-linking effects. <i>Applied Surface Science</i> , 2012, 259, 465-476.	6.1	30
78	Incorporation in Langmuir-Blodgett films of an amphiphilic derivative of fullerene C ₆₀ and oligo-para-phenylenevinylene. <i>Thin Solid Films</i> , 2012, 526, 246-251.	1.8	6
79	Infestation by a Parasitic Wasp, <i>Arachnophaga</i> sp. (Insecta, Eupelmidae) on the Eggs of a Bolas Spider, <i>Mastophora</i> sp. (Aranae, Araneidae). <i>Journal of Advanced Microscopy Research</i> , 2012, 7, 145-150.	0.3	1
80	Self-Assemblies of meso-Tetraphenylporphine Ligand on Surfaces of Highly Oriented Pyrolytic Graphite and Single-Walled Carbon Nanotubes: Insights from Scanning Tunneling Microscopy and Molecular Modeling. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5457-5468.	0.9	36
81	Selected Peer-Reviewed Papers from NanoMex'09: 2nd International and Interdisciplinary Meeting on Nanoscience and Nanotechnology. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5455-5456.	0.9	0
82	Interaction of Short Homopeptides of Glycine and L-Alanine with Fullerene C ₆₀ . <i>Journal of Computational and Theoretical Nanoscience</i> , 2011, 8, 243-252.	0.4	8
83	Electron smearing in DFT calculations: A case study of doxorubicin interaction with single-walled carbon nanotubes. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 4197-4205.	2.0	35
84	Electronic and magnetic properties of C ₆₀ thin films under ambient conditions: A multitechnique study. <i>Organic Electronics</i> , 2011, 12, 1483-1492.	2.6	20
85	Aggregation of Human Serum Albumin on Graphite and Single-Walled Carbon Nanotubes as Studied by Scanning Probe Microscopies. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5491-5498.	0.9	12
86	Green-Functionalization of Pristine Multi-Walled Carbon Nanotubes with Long-Chain Aliphatic Amines. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5546-5554.	0.9	23
87	Noncovalent Interaction of Meso-Tetraphenylporphine with C ₆₀ Fullerene as Studied by Several DFT Methods. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5519-5525.	0.9	10
88	Fullerene Thin Films Functionalized by 1,5-Diaminonaphthalene: Preparation and Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5569-5573.	0.9	3
89	Microwave Irradiation of Pristine Multi-Walled Carbon Nanotubes in Vacuum. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 448-455.	0.9	6
90	Noncovalent 1:2 Complex of meso-Tetraphenylporphine with C ₆₀ Fullerene: A Density Functional Theory Study. <i>Journal of Computational and Theoretical Nanoscience</i> , 2010, 7, 1996-2003.	0.4	16

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91	[80] Fullerene- α -amino acid interactions: Theoretical insights. International Journal of Quantum Chemistry, 2010, 110, 953-959.	2.0	12
92	Interaction Between NO ₂ and an Elongated Fullerene C ₆₀ . Journal of Computational and Theoretical Nanoscience, 2010, 7, 408-413.	0.4	3
93	Interaction of meso-Tetraphenylporphines with C ₆₀ Fullerene: Comparison of Several Density Functional Theory Functionals Implemented in DMol3 Module. Journal of Computational and Theoretical Nanoscience, 2010, 7, 1095-1103.	0.4	17
94	A Density Functional Theory Study of Porphyrin-Pyridine Fullerene Triad ZnTPP-Py-C ₆₀ . Journal of Computational and Theoretical Nanoscience, 2010, 7, 2322-2330.	0.4	14
95	Characterization of the CaCO ₃ biomineral in coralline red algae (Corallinales) from the Pacific coast of Mexico. Ciencias Marinas, 2010, 36, .	0.4	13
96	Nanohybrids of Nylon 6 with Multi-Walled Carbon Nanotubes: Solvent-Free Polymerization of ϵ -Caprolactam Under Variable Experimental Conditions. Journal of Nanoscience and Nanotechnology, 2009, 9, 3313-3319.	0.9	4
97	Interactions of Porphyrins with Low-Dimensional Carbon Materials. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1383-1411.	0.4	10
98	Poly(vinyl alcohol)/CNT composites: An effect of cross-linking with glutaraldehyde. Superlattices and Microstructures, 2009, 46, 379-383.	3.1	19
99	A DF T study of methylamine polyaddition to C ₈₀ fullerene. Superlattices and Microstructures, 2009, 46, 302-305.	3.1	6
100	Multiple Addition of Methylamine to Fullerene C ₆₀ : A Density Functional Theory Study. Journal of Computational and Theoretical Nanoscience, 2009, 6, 73-79.	0.4	5
101	Selected Peer-Reviewed Papers from 2007 Virtual Conference on Nanoscale Science and Technology (VC-NST), Fayetteville, Arkansas, USA. Journal of Nanoscience and Nanotechnology, 2009, 9, 3269-3270.	0.9	0
102	Analysis of Organo-Silica Interactions during Valve Formation in Synchronously Growing Cells of the Diatom <i>Navicula pelliculosa</i> . ChemBioChem, 2008, 9, 573-584.	2.6	25
103	Fullerene- α -amino acid interactions. A theoretical study. Chemical Physics Letters, 2008, 452, 306-314.	2.6	49
104	SWNT- α -amino acid interactions: A theoretical study. Chemical Physics Letters, 2008, 457, 185-190.	2.6	50
105	Binding Energies of Ground and Excited States of Shallow Donors in Semimagnetic Parabolic Quantum Dots. Journal of Computational and Theoretical Nanoscience, 2008, 5, 591-596.	0.4	3
106	Interactions between cation-encapsulated single-walled carbon nanotubes M@SWNT (M=H, Li, Na) and nucleophiles. Computational Materials Science, 2008, 44, 240-246.	3.0	8
107	Zigzag SWNT-amino acid interactions: Theoretical insights. Computational Materials Science, 2008, 44, 310-315.	3.0	18
108	Interaction of Cation-Encapsulated Single-Walled Carbon Nanotubes with Small Polar Molecules. Journal of Physical Chemistry C, 2008, 112, 2736-2742.	3.1	23

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109	Regioselectivity in Azahydro[60]fullerene Derivatives: Application of General-Purpose Reactivity Indicators. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8154-8163.	2.5	5
110	Magnetic Nanoparticles with Core/Shell Structures. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 2781-2792.	0.9	41
111	Effects of Covalent Functionalization on the Biocompatibility Characteristics of Multi-Walled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 2347-2356.	0.9	51
112	Fullerene C60 Films Cross-Linked with Octane-1,8-Dithiol: Preparation, Characterization and the Use as Template for Chemical Deposition of Gold Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 3828-3837.	0.9	7
113	Interaction of Porphine with Closed-End Zigzag (6,0) Single-Walled Carbon Nanotube: The Effect of Parameters in DMol ³ DFT Calculations. <i>Journal of Computational and Theoretical Nanoscience</i> , 2008, 5, 2114-2118.	0.4	12
114	Interaction of Amino Acids with Single-Walled Carbon Nanotubes: Insights from Density Functional Theory Calculations. <i>Journal of Computational and Theoretical Nanoscience</i> , 2008, 5, 1205-1209.	0.4	7
115	Density Matrix Renormalization Group for Dummies. <i>Journal of Computational and Theoretical Nanoscience</i> , 2008, 5, 1277-1288.	0.4	48
116	Theoretical Modeling of Fullerene-Porphyrine Interactions: Computational Implications. <i>Journal of Computational and Theoretical Nanoscience</i> , 2008, 5, 1367-1371.	0.4	4
117	Nanoassembly of <i>meso</i> -Tetraphenylporphines on Surfaces of Carbon Materials: Initial Steps as Studied by Molecular Mechanics and Scanning Tunneling Microscopy. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 259-267.	0.9	11
118	Scanning Tunneling Microscopy of Rotavirus VP6 Protein Self-Assembled into Nanotubes and Nanospheres. <i>Journal of Scanning Probe Microscopy</i> , 2008, 3, 25-31.	0.0	4
119	Structure and Properties of a Series of Arylselenium [60]Fulleropyrrolidine Derivatives. <i>Journal of Computational and Theoretical Nanoscience</i> , 2008, 5, 554-562.	0.4	0
120	Cross-Linking of C ₆₀ Films with 1,8-Diaminooctane and Further Decoration with Silver Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3563-3571.	0.9	13
121	ONIOM Studies of Esterification at Oxidized Carbon Nanotube Tips. <i>Journal of Physics: Conference Series</i> , 2007, 61, 85-89.	0.4	2
122	Noncovalent Functionalization of Carbon Nanotubes with Porphyrins: <i>meso</i> -Tetraphenylporphine and Its Transition Metal Complexes. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1530-1538.	0.9	24
123	Structure and interactions of calcite spherulites with $\hat{1}\pm$ -chitin in the brown shrimp (<i>Penaeus aztecus</i>) shell. <i>Materials Science and Engineering C</i> , 2007, 27, 8-13.	7.3	16
124	New Preparation Method of Gold Nanoparticles on SiO ₂ . <i>Journal of Physical Chemistry B</i> , 2006, 110, 8559-8565.	2.6	116
125	"Green" derivatization of carbon nanotubes with Nylon 6 and L-alanine. <i>Journal of Materials Chemistry</i> , 2006, 16, 4420-4426.	6.7	31
126	Imidazo[1,2-a]pyrazine-3,6-diones Derived from $\hat{1}\pm$ -Amino Acids: A Theoretical Mechanistic Study of Their Formation via Pyrolysis and Silica-Catalyzed Process. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7431-7440.	2.5	8

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127	Interaction of Porphines with Single-Walled Carbon Nanotubes: A DFT Study with Minimal Basis Set. <i>Journal of Computational and Theoretical Nanoscience</i> , 2006, 3, 767-774.	0.4	13
128	Solvent-free derivatization of pristine multi-walled carbon nanotubes with dithiols. <i>Materials Letters</i> , 2006, 60, 3741-3746.	2.6	17
129	Chemical Crosslinking in C60 Thin Films. , 2006, , 453-462.		3
130	Theoretical prediction of gas-phase infrared spectra of imidazo[1,2-a]pyrazinediones and imidazo[1,2-a]imidazo[1,2-d]pyrazinediones derived from glycine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 2560-2575.	3.9	8
131	Microstructure and thermal change of texture of calcite crystals in ostrich eggshell <i>Struthio camelus</i> . <i>Materials Science and Engineering C</i> , 2005, 25, 1-9.	7.3	16
132	Stability of interstellar fullerenes under high-dose $\hat{1}^3$ -irradiation: new data. <i>Advances in Space Research</i> , 2005, 36, 173-177.	2.6	4
133	Deposition of Gold Nanoparticles onto Thiol-Functionalized Multiwalled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16290-16295.	2.6	120
134	Glycine amide hydrolysis with water and OH radical: a comparative DFT study. <i>Advances in Space Research</i> , 2005, 36, 209-213.	2.6	5
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