

# Ayan Datta

## List of Publications by Year in descending order

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232  
papers

7,232  
citations

57719

44  
h-index

95218

68  
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240  
all docs

240  
docs citations

240  
times ranked

7796  
citing authors

#	ARTICLE	IF	CITATIONS
1	Substituent effect of benzyl moiety in nitroquinoxaline small molecules upon DNA binding: Cumulative destacking of DNA nucleobases leading to histone eviction. <i>European Journal of Medicinal Chemistry</i> , 2022, 229, 113995.	2.6	2
2	Stereoelectronic and dynamical effects dictate nitrogen inversion during valence isomerism in benzene imine. <i>Chemical Science</i> , 2022, 13, 704-712.	3.7	5
3	Stable room temperature ferroelectricity in hydrogen-bonded supramolecular assemblies of ambipolar $\pi$ -systems. <i>Chemical Science</i> , 2022, 13, 781-788.	3.7	14
4	Remarkable CO tolerance of Ni <sup>3+</sup> active species in a Ni <sub>2</sub> O <sub>3</sub> catalyst for sustained electrochemical urea oxidation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4209-4221.	5.2	57
5	Metal-free Kinugasa reaction catalyzed by external electric field. <i>Journal of Physical Organic Chemistry</i> , 2022, 35, .	0.9	8
6	A Hierarchical (Macro)molecular Assembly Assisted by Donor-Acceptor Charge-Transfer Interactions Exhibiting Room-Temperature Ferroelectricity. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	13
7	Adsorbate-Induced Phase Transformation of Ambient Stable Noncubic Lattices in Au Microcrystallites. <i>Journal of Physical Chemistry C</i> , 2022, 126, 823-831.	1.5	3
8	Deciphering the Role of Substitution in Transition-Metal Phosphorous Trisulfide (100) Surface: A Highly Efficient and Durable Pt-free ORR Electrocatalyst. <i>ChemPhysChem</i> , 2022, 23, .	1.0	1
9	Epitaxial Orientation Angle Tuned Disk-on-Rod Nanoheterostructures for Boosting Charge Transfer. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3804-3811.	2.1	2
10	Thiazole Containing PNA Mimic Regulates c-MYC Gene Expression through DNA G-Quadruplex. <i>Bioconjugate Chemistry</i> , 2022, 33, 1145-1155.	1.8	2
11	Rational Design of Biaxial Tensile Strain for Boosting Electronic and Ionic Conductivities of Na <sub>2</sub> MnSiO <sub>4</sub> for Rechargeable Sodium-Ion Batteries. <i>ChemistryOpen</i> , 2022, 11, .	0.9	3
12	Compression Produces a Square-Planar Iron Tetracarbonyl. <i>Inorganic Chemistry</i> , 2022, 61, 9055-9062.	1.9	1
13	Performance of the nitrogen reduction reaction on metal bound g-C <sub>6</sub> N <sub>6</sub> : a combined approach of machine learning and DFT. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 17050-17058.	1.3	15
14	Understanding the Regioselectivity of Ion-Pair-Assisted Meta-Selective C(sp <sup>2</sup> )-H Activation in Conformationally Flexible Arylammonium Salts. <i>Journal of Organic Chemistry</i> , 2022, 87, 9222-9231.	1.7	2
15	Designing C <sub>6</sub> N <sub>6</sub> /C <sub>2</sub> N van der Waals heterostructures for photogenerated charge carrier separation. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3925-3933.	1.3	25
16	Molecular Mechanism for the Self-Supported Synthesis of Graphitic Carbon Nitride from Urea Pyrolysis. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1396-1406.	2.1	20
17	Evolutionary structure prediction-assisted design of anode materials for Ca-ion battery based on phosphorene. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 9466-9475.	1.3	13
18	Prolinamide plays a key role in promoting copper-catalyzed cycloaddition of azides and alkynes in aqueous media via unprecedented metallacycle intermediates. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2434-2441.	2.3	5

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19	Nickel-cobalt oxalate as an efficient non-precious electrocatalyst for an improved alkaline oxygen evolution reaction. <i>Nanoscale Advances</i> , 2021, 3, 3770-3779.	2.2	19
20	Tuning of the optoelectronic properties of peptide-appended core-substituted naphthalenediimides: the role of self-assembly of two positional isomers. <i>Soft Matter</i> , 2021, 17, 7168-7176.	1.2	9
21	Tuning intermediate adsorption in structurally ordered substituted PdCu <sub>3</sub> intermetallic nanoparticles for enhanced ethanol oxidation reaction. <i>Chemical Communications</i> , 2021, 57, 4508-4511.	2.2	9
22	Unveiling the Excellent Electrocatalytic Activity of Grain-Boundary Enriched Anisotropic Pure Gold Nanostructures toward Hydrogen Evolution Reaction: A Combined Approach of Experiment and Theory. <i>ACS Applied Energy Materials</i> , 2021, 4, 3017-3032.	2.5	9
23	Molecular Dynamics Simulations Reveal Orientation-Dependent Nanotoxicity of Black Phosphorene toward Dimeric Proteins. <i>ACS Applied Nano Materials</i> , 2021, 4, 3095-3107.	2.4	15
24	Novel Tetradentate Phosphonate Ligand Based Bioinspired Co-Metal-Organic Frameworks: Robust Electrocatalyst for the Hydrogen Evolution Reaction in Different Mediums. <i>Crystal Growth and Design</i> , 2021, 21, 2614-2623.	1.4	17
25	Formation of Metallic Polyferrocene Chains under Pressure. <i>Journal of Physical Chemistry A</i> , 2021, 125, 3362-3368.	1.1	6
26	Synthetic and Computational Studies on Rh <sup>III</sup> -Catalyzed Redox-Neutral Cascade of Carbenoid Functionalization and Dephosphonylative Annulation. <i>Journal of Organic Chemistry</i> , 2021, 86, 7069-7077.	1.7	13
27	An NHC-Stabilised Phosphinidene for Catalytic Formylation: A DFT-Guided Approach. <i>Chemistry - A European Journal</i> , 2021, 27, 11656-11662.	1.7	6
28	Direct CO <sub>2</sub> capture and conversion to fuels on magnesium nanoparticles under ambient conditions simply using water. <i>Chemical Science</i> , 2021, 12, 5774-5786.	3.7	25
29	Harnessing Noncovalent Interactions for a Directed Evolution of a Six-Component Molecular Crystal. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12584-12591.	1.2	6
30	Gold-Catalyzed Cross-Coupling Reactions: An Overview of Design Strategies, Mechanistic Studies, and Applications. <i>Chemistry - A European Journal</i> , 2020, 26, 1442-1487.	1.7	128
31	Screening two dimensional materials for the transportation and delivery of diverse genetic materials. <i>Nanoscale</i> , 2020, 12, 703-719.	2.8	23
32	Harnessing the Efficacy of 2-Pyridone Ligands for Pd-Catalyzed (Î <sup>2</sup> /Î <sup>3</sup> )-C(sp <sup>3</sup> )-H Activations. <i>Journal of Organic Chemistry</i> , 2020, 85, 13228-13238.	1.7	22
33	Salicylideneaniline-Based Covalent Organic Frameworks: A New Family of Multistate Second-Order Nonlinear Optical Switches. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24451-24459.	1.5	13
34	Cobalt phthalocyanine (CoPc) monolayer: A computational study on oxygen reduction reaction (ORR). <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
35	Molecular designs for expanding the limits of ultralong C-C bonds and ultrashort H-H non-bonded contacts. <i>Chemical Communications</i> , 2020, 56, 15377-15386.	2.2	12
36	Heavy-atom tunneling in organic transformations. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	0.7	8

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37	Deoxygenation of nitrosoarene by N-heterocyclic carbene (NHC): an elusive Breslow-type intermediate bridging carbene and nitrene. <i>Chemical Communications</i> , 2020, 56, 12166-12169.	2.2	2
38	Paradoxical design of a serendipitous pyrazolate bridging mode: a pragmatic strategy for inducing ineluctable ferromagnetic coupling. <i>Dalton Transactions</i> , 2020, 49, 13704-13716.	1.6	2
39	Disentangling the liquid phase exfoliation of two-dimensional materials: an <i>in silico</i> perspective. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 22157-22179.	1.3	17
40	Polymorphism Dependent 9-Phosphoanthracene Derivative Exhibiting Thermally Activated Delayed Fluorescence: A Computational Investigation. <i>Journal of Physical Chemistry A</i> , 2020, 124, 11025-11037.	1.1	17
41	Enhanced Photophysical Properties of Bi <sub>2</sub> S <sub>3</sub> /AgBiS <sub>2</sub> Nanoheterostructures Synthesized via Ag(I) Cation Exchange-Mediated Transformation of Binary Bi <sub>2</sub> S <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , 2020, 124, 12824-12833.	1.5	5
42	Transition-Metal Phosphorus Trisulfides and its Vacancy Defects: Emergence of a New Class of Anode Material for Li-Ion Batteries. <i>ChemSusChem</i> , 2020, 13, 3855-3864.	3.6	30
43	Delicate Balance of Non-Covalent Forces Govern the Biocompatibility of Graphitic Carbon Nitride towards Genetic Materials. <i>ChemPhysChem</i> , 2020, 21, 1836-1846.	1.0	12
44	Defects in nanosilica catalytically convert CO <sub>2</sub> to methane without any metal and ligand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6383-6390.	3.3	68
45	Frontispiece: Gold-Catalyzed Cross-Coupling Reactions: An Overview of Design Strategies, Mechanistic Studies, and Applications. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	1
46	Transition-State-like Planar Structures for Amine Inversion with Ultralong C-C Bonds in Diamino-carborane and Diamino-dodecahedron. <i>Journal of the American Chemical Society</i> , 2020, 142, 5331-5337.	6.6	18
47	Enhancement in electrical conductivity of a porous indium based metal-organic framework upon I <sub>2</sub> uptake: combined experimental and theoretical investigations. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4836-4842.	2.7	13
48	A Thiadiazole-Based Covalent Organic Framework: A Metal-Free Electrocatalyst toward Oxygen Evolution Reaction. <i>ACS Catalysis</i> , 2020, 10, 5623-5630.	5.5	140
49	Remote Functionalization through Symmetric or Asymmetric Substitutions Control the Pathway of Intermolecular Singlet Fission. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 5014-5023.	2.3	9
50	Hierarchical Noncovalent Interactions between Molecules Stabilize Multicomponent Cocrystals. <i>Crystal Growth and Design</i> , 2019, 19, 4802-4809.	1.4	14
51	Pt/Co <sub>3</sub> O <sub>4</sub> Surpasses Benchmark Pt/C: An Approach Toward Next Generation Hydrogen Evolution Electrocatalyst. <i>ACS Applied Energy Materials</i> , 2019, 2, 5613-5621.	2.5	29
52	RuIII(edta)-mediated interaction of nitrite and sulphide: formation of an N-bonded thionitrous acid (HSNO) complex of RuIII(edta) in aqueous solution. <i>New Journal of Chemistry</i> , 2019, 43, 15311-15315.	1.4	3
53	Influence of Axial Linkers on Polymerization in Paddle-Wheel Cu(II) Coordination Polymers for the Application of Optoelectronics Devices. <i>Crystal Growth and Design</i> , 2019, 19, 6283-6290.	1.4	20
54	Transforming atmospheric CO <sub>2</sub> into alternative fuels: a metal-free approach under ambient conditions. <i>Chemical Science</i> , 2019, 10, 1879-1884.	3.7	19

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55	Aryl-platform-based tetrapodal 2-iodo-imidazolium as an excellent halogen bond receptor in aqueous medium. <i>Chemical Communications</i> , 2019, 55, 1506-1509.	2.2	22
56	Topological Phase Transition in $Sb_2Mg_3$ Assisted by Strain. <i>ACS Omega</i> , 2019, 4, 8701-8706.	1.6	11
57	Visible light driven efficient metal free single atom catalyst supported on nanoporous carbon nitride for nitrogen fixation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12346-12352.	1.3	64
58	Computationally Driven Design Principles for Singlet Fission in Organic Chromophores. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19257-19268.	1.5	22
59	A Solution Processed Ultrathin Molecular Dielectric for Organic Field-Effect Transistors. <i>ACS Applied Electronic Materials</i> , 2019, 1, 485-493.	2.0	4
60	Analysis of pseudo jahn-teller distortion based on natural bond orbital theory: Case study for silicene. <i>Journal of Computational Chemistry</i> , 2019, 40, 1488-1495.	1.5	14
61	Aggregation induced non-emissive-to-emissive switching of molecular platinum clusters. <i>Nanoscale</i> , 2019, 11, 5914-5919.	2.8	13
62	Intramolecular Singlet Fission in Quinoidal Dihydrothiophene. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4749-4754.	1.5	10
63	Interaction of a bioactive molecule with surfaces of nanoscale transition metal oxides: experimental and theoretical studies. <i>New Journal of Chemistry</i> , 2019, 43, 16621-16628.	1.4	4
64	Red-Emitting Copper Nanoclusters: From Bulk-Scale Synthesis to Catalytic Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1998-2007.	3.2	46
65	Gauging the Nanotoxicity of $h_2D-C_2N$ toward Single-Stranded DNA: An in Silico Molecular Simulation Approach. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 13805-13818.	4.0	39
66	Controlled Pore Sizes in Monolayer $C_2N$ Act as Ultrasensitive Probes for Detection of Gaseous Pollutants (HF, HCN, and $H_2S$ ). <i>Journal of Physical Chemistry C</i> , 2018, 122, 2248-2258.	1.5	53
67	Dynamical Effects along the Bifurcation Pathway Control Semibullvalene Formation in Deazetization Reactions. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1239-1244.	1.2	14
68	Topological Insulator in Two-Dimensional SiGe Induced by Biaxial Tensile Strain. <i>ACS Omega</i> , 2018, 3, 1-7.	1.6	23
69	Novel Br $\pi$ -(Chelate) Interaction in a 1D Coordination Polymer Revealing Aromaticity. <i>ChemistrySelect</i> , 2018, 3, 4289-4291.	0.7	18
70	Evidence of homo-FRET in quantum dot dye heterostructured assembly. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9523-9535.	1.3	23
71	Ultrafast Relaxation Dynamics of Luminescent Copper Nanoclusters ( $Cu_7L_3$ ) and Efficient Electron Transfer to Functionalized Reduced Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13354-13362.	1.5	44
72	Structure and Electronic Properties of Unnatural Base Pairs: The Role of Dispersion Interactions. <i>ChemPhysChem</i> , 2018, 19, 67-74.	1.0	16

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73	A Vision on Organosilicon Chemistry and Silicene. <i>Nanoscience and Technology</i> , 2018, , 1-21.	1.5	2
74	Silicon-Doped Nitrogen-Coordinated Graphene as Electrocatalyst for Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27233-27240.	1.5	59
75	Design Rules for the Generation of Stable Quartet Phases of Nucleobases over Two-Dimensional Materials. <i>Journal of Physical Chemistry C</i> , 2018, 122, 28918-28933.	1.5	26
76	Strain-Induced Topological Insulator in Methyl-Decorated SiGe Films. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25127-25133.	1.5	12
77	Effects of Ancillary Ligands on Redox and Chemical Properties of Ruthenium Coordinated Azoaromatic Pincer. <i>Inorganic Chemistry</i> , 2018, 57, 11995-12009.	1.9	29
78	Doped boron nitride surfaces: potential metal free bifunctional catalysts for non-aqueous Li <sup>+</sup> O <sub>2</sub> batteries. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16485-16492.	1.3	10
79	Reactive Molecular Dynamics Simulations of Self-Assembly of Polytwistane and Its Application for Nanofibers. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19204-19211.	1.5	11
80	Gold(I)-Catalyzed Intramolecular Diels-Alder Reaction: Evolution of Trappable Intermediates via Asynchronous Transition States. <i>Journal of Organic Chemistry</i> , 2018, 83, 11167-11177.	1.7	19
81	Understanding Thermal and Photochemical Aryl-Aryl Cross-Coupling by the Au <sup>I</sup> /Au <sup>III</sup> Redox Couple. <i>Chemistry - A European Journal</i> , 2018, 24, 13636-13646.	1.7	21
82	Pseudo-Jahn-Teller effects in two-dimensional silicene, germanene and stanene: a crystal orbital vibronic coupling density analysis. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	0.8	5
83	An Azoaromatic Ligand as Four Electron Four Proton Reservoir: Catalytic Dehydrogenation of Alcohols by Its Zinc(II) Complex. <i>Inorganic Chemistry</i> , 2018, 57, 6816-6824.	1.9	45
84	Noble-Metal-Supported GeS Monolayer as Promising Single-Atom Catalyst for CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14488-14498.	1.5	35
85	Phase Coexistence and Strain-Induced Topological Insulator in Two-Dimensional BiAs. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15047-15054.	1.5	33
86	Tunneling Control: Competition between 6 $\pi$ -Electrocyclization and [1,5]H-Sigmatropic Shift Reactions in Tetrahydro-1 <i>H</i> -cyclobuta[ <i>e</i> ]indene Derivatives. <i>Journal of Organic Chemistry</i> , 2017, 82, 1558-1566.	1.7	23
87	Direct and Autocatalytic Reductive Elimination from Gold Complexes ((Ph) <sub>3</sub> P)Au(Ar)(CF <sub>3</sub> ) <sub>3</sub> (X)], X=F, Cl, Br, I): The Key Role of Halide Ligands. <i>Chemistry - A European Journal</i> , 2017, 23, 4169-4179.	1.7	31
88	Polymorphism Controlled Singlet Fission in TIPS-Anthracene: Role of Stacking Orientation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1412-1420.	1.5	60
89	Size specific emission in peptide capped gold quantum clusters with tunable photoswitching behavior. <i>Nanoscale</i> , 2017, 9, 4419-4429.	2.8	32
90	Ordering and Dynamics for the Formation of Two-Dimensional Molecular Crystals on Black Phosphorene. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10210-10223.	1.5	43

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91	Exotic Physics and Chemistry of Two-Dimensional Phosphorus: Phosphorene. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2909-2916.	2.1	71
92	Theoretical study of Au 4 thymine, Au 20 and Ag 20 uracil and thymine complexes for surface enhanced Raman scattering. <i>Computational and Theoretical Chemistry</i> , 2017, 1111, 1-13.	1.1	15
93	Monolayer Group IV-VI Monochalcogenides: Low-Dimensional Materials for Photocatalytic Water Splitting. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7615-7624.	1.5	154
94	Design of van der Waals Two-Dimensional Heterostructures from Facially Polarized Janus All-Cis 1,2,3,4,5,6-Hexafluorocyclohexane (C <sub>6</sub> H <sub>6</sub> F <sub>6</sub> ). <i>Journal of Physical Chemistry C</i> , 2017, 121, 1752-1762.	1.5	18
95	Exploring Ultrashort Hydrogen-Hydrogen Nonbonded Contacts in Constrained Molecular Cavities. <i>Journal of Physical Chemistry B</i> , 2017, 121, 825-834.	1.2	23
96	Deciphering the Role of Solvents in the Liquid Phase Exfoliation of Hexagonal Boron Nitride: A Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry C</i> , 2017, 121, 811-822.	1.5	59
97	Influence of Hofmeister I <sup>+</sup> on Tuning Optoelectronic Properties of Ampholytic Polythiophene by Varying pH and Conjugating with RNA. <i>Langmuir</i> , 2017, 33, 12739-12749.	1.6	16
98	Role of Carbon Support for Subnanometer Gold-Cluster-Catalyzed Disiloxane Synthesis from Hydrosilane and Water. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20101-20112.	1.5	9
99	Two-Dimensional Graphene-Gold Interfaces Serve as Robust Templates for Dielectric Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 34213-34220.	4.0	28
100	Visible-Light-Mediated Excited State Relaxation in Semi-Synthetic Genetic Alphabet: d5SICS and dNaM. <i>Chemistry - A European Journal</i> , 2017, 23, 11494-11498.	1.7	16
101	Understanding the Reactivity of CO <sub>3</sub> <sup>•-</sup> and NO <sub>2</sub> <sup>•</sup> Radicals toward S-Containing and Aromatic Amino Acids. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7621-7632.	1.2	10
102	Coexistence of Normal and Auxetic Behavior in a Thermally and Chemically Stable sp <sup>3</sup> Nanowire: Poly[5]asterane. <i>Chemistry - A European Journal</i> , 2017, 23, 12917-12923.	1.7	12
103	External electric field control: driving the reactivity of metal-free azide-alkyne click reactions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22482-22486.	1.3	47
104	Effect of Doping in Controlling the Structure, Reactivity, and Electronic Properties of Pristine and Ca(II)-Intercalated Layered Silicene. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15169-15180.	1.5	17
105	Janus all-cis-1,2,3,4,5,6-Hexafluorocyclohexane: A Molecular Motif for Aggregation-Induced Enhanced Polarization. <i>ChemPhysChem</i> , 2016, 17, 2373-2381.	1.0	29
106	Classroom. <i>Resonance</i> , 2016, 21, 377-379.	0.2	0
107	Controlling electronic effects and intermolecular packing in contorted polyaromatic hydrocarbons (c-PAHs): towards high mobility field effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14886-14893.	1.3	11
108	Supported Sub-Nanometer Gold Cluster Catalyzed Transfer Hydrogenation of Aldehydes to Alcohols. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24449-24456.	1.5	14



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109	Exclusively Ligand-Mediated Catalytic Dehydrogenation of Alcohols. <i>Inorganic Chemistry</i> , 2016, 55, 9602-9610.	1.9	55
110	Nonequimolar Mixture of Organic Acids and Bases: An Exception to the Rule of Thumb for Salt or Cocrystal. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7606-7613.	1.2	25
111	Metal-Free Reduction of CO <sub>2</sub> to Methoxyborane under Ambient Conditions through Borondiformate Formation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15147-15151.	7.2	50
112	Steric and electric field driven distortions in aromatic molecules: spontaneous and non-spontaneous symmetry breaking. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31160-31167.	1.3	23
113	Two-Dimensional Group IV Monochalcogenides: Anode Materials for Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14522-14530.	1.5	120
114	Capping Black Phosphorene by h-BN Enhances Performances in Anodes for Li and Na Ion Batteries. <i>ACS Energy Letters</i> , 2016, 1, 253-259.	8.8	126
115	Multifunctional mixed ligand metal organic frameworks: X-ray structure, adsorption, luminescence and electrical conductivity with theoretical correlation. <i>CrystEngComm</i> , 2016, 18, 5754-5763.	1.3	23
116	Role of Heavy Atom Tunneling in Myers-Saito Cyclization of Cyclic Enyne-Cumulene Systems. <i>Journal of Physical Chemistry B</i> , 2016, 120, 945-950.	1.2	26
117	Dual Fluorescence in GFP Chromophore Analogues: Chemical Modulation of Charge Transfer and Proton Transfer Bands. <i>Journal of Physical Chemistry B</i> , 2016, 120, 3503-3510.	1.2	26
118	Pseudo-Jahn-Teller Distortion in Two-Dimensional Phosphorus: Origin of Black and Blue Phases of Phosphorene and Band Gap Modulation by Molecular Charge Transfer. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1288-1297.	2.1	73
119	Strain Control: Reversible H <sub>2</sub> Activation and H <sub>2</sub> /D <sub>2</sub> Exchange in Pt Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 3023-3029.	1.9	18
120	Pseudo Jahn-Teller distortion for a tricyclic carbon sulfide (C <sub>6</sub> S <sub>8</sub> ) and its suppression in S-oxygenated dithiine (C <sub>4</sub> H <sub>4</sub> (SO <sub>2</sub> ) <sub>2</sub> ). <i>Chemical Physics</i> , 2015, 460, 101-105.	0.9	27
121	Topochemical Transformations of CaX <sub>2</sub> (X=C, Si, Ge) to Form Free-Standing Two-Dimensional Materials. <i>Chemistry - A European Journal</i> , 2015, 21, 18454-18460.	1.7	31
122	Fluorescence from an H-aggregated naphthalenediimide based peptide: photophysical and computational investigation of this rare phenomenon. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30398-30403.	1.3	40
123	Cooperativity in a New Role: Stabilization of the Ammonium Salts in the Solid State over Their H-Bonded Complexes in the Gas Phase. <i>Journal of Physical Chemistry C</i> , 2015, 119, 926-933.	1.5	14
124	Electronic and Chemical Properties of Germanene: The Crucial Role of Buckling. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3802-3809.	1.5	125
125	1,4-Dithiine Puckered in the Gas Phase but Planar in Crystals: Role of Cooperativity. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15770-15776.	1.5	22
126	Half-sandwich Ru( <sup>η</sup> -C <sub>6</sub> H <sub>6</sub> ) complexes with chiral aroylthioureas for enhanced asymmetric transfer hydrogenation of ketones – experimental and theoretical studies. <i>Catalysis Science and Technology</i> , 2015, 5, 4790-4799.	2.1	28



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127	What Sustains the Unnatural Base Pairs (UBPs) with No Hydrogen Bonds. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5839-5845.	1.2	36
128	Mechanistic insights into the synergistic catalysis by Au(I), Ga(III), and counterions in the Nakamura reaction. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7412-7420.	1.5	28
129	Small Organic Molecules for Efficient Singlet Fission: Role of Silicon Substitution. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25696-25702.	1.5	36
130	Metal Free Azide-Alkyne Click Reaction: Role of Substituents and Heavy Atom Tunneling. <i>Journal of Physical Chemistry B</i> , 2015, 119, 11540-11547.	1.2	23
131	The role of N7 protonation of guanine in determining the structure, stability and function of RNA base pairs. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26249-26263.	1.3	27
132	Preparation of multi-coloured different sized fluorescent gold clusters from blue to NIR, structural analysis of the blue emitting Au <sub>7</sub> cluster, and cell-imaging by the NIR gold cluster. <i>Nanoscale</i> , 2015, 7, 1912-1920.	2.8	51
133	Understanding the Mechanisms of Unusually Fast H <sub>2</sub> , C <sub>2</sub> H, and C <sub>2</sub> C Bond Reductive Eliminations from Gold(III) Complexes. <i>Chemistry - A European Journal</i> , 2014, 20, 14650-14658.	1.7	48
134	Influence of ring fusion stereochemistry on the stereochemical outcome in photo-induced Diels-Alder reaction of fused bicycloheptenone derivatives. <i>Tetrahedron</i> , 2014, 70, 9783-9790.	1.0	5
135	Phenalenyl in a Different Role: Catalytic Activation through the Nonbonding Molecular Orbital. <i>ACS Catalysis</i> , 2014, 4, 4307-4319.	5.5	40
136	Light Harvesting and Amplification of Emission of Donor Perylene-Acceptor Perylene Aggregates in Aqueous Medium. <i>Chemistry - A European Journal</i> , 2014, 20, 3019-3022.	1.7	13
137	Charge-Transfer Complex Formation in Gelation: The Role of Solvent Molecules with Different Electron-Donating Capacities. <i>Chemistry - A European Journal</i> , 2014, 20, 5721-5726.	1.7	44
138	Design and Applications of Noncanonical DNA Base Pairs. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 154-166.	2.1	41
139	Structures and Chemical Properties of Silicene: Unlike Graphene. <i>Accounts of Chemical Research</i> , 2014, 47, 593-602.	7.6	291
140	Synthesis, structure, photocatalytic and magnetic properties of an oxo-bridged copper dimer. <i>RSC Advances</i> , 2014, 4, 21195-21200.	1.7	9
141	Tunneling Assists the 1,2-Hydrogen Shift in N-Heterocyclic Carbenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9587-9591.	7.2	36
142	Why Does Substitution of Thymine by 6-Ethynylpyridone Increase the Thermostability of DNA Double Helices?. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6586-6596.	1.2	17
143	Tunnelling effects in chemistry. <i>Resonance</i> , 2014, 19, 160-174.	0.2	4
144	Role of Quantum Mechanical Tunneling on the <sup>13</sup> C-Effect of Silicon on Carbenes in 3-Trimethylsilylcyclobutylidene. <i>Journal of Physical Chemistry B</i> , 2014, 118, 2553-2558.	1.2	16

#	ARTICLE	IF	CITATIONS
145	Color Polymorphism: Understanding the Diverse Solid-State Packing and Color in Dimethyl-3,6-dichloro-2,5-dihydroxyterephthalate. <i>Chemistry - A European Journal</i> , 2014, 20, 3218-3224.	1.7	15
146	Structures and Electronic Properties of Heavier Congeners of Disk-Like Molecules: (Si, Ge) Sulfur and (Si, Ge) Olympicene. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12115-12120.	1.5	25
147	Can Arsenates Replace Phosphates in Natural Biochemical Processes? A Computational Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8340-8346.	1.2	27
148	Pronounced Tunneling Effect of Proton Transfer in Thiotropolone at Room Temperature: A Reply. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8206-8207.	7.2	5
149	Cycloaddition profile of pentafulvenes with 3-oxidopyrylium betaine: experimental and theoretical investigations. <i>Tetrahedron</i> , 2013, 69, 9751-9760.	1.0	13
150	Modulation of Fluorescence Resonance Energy Transfer Efficiency for White Light Emission from a Series of Stilbene-Perylene Based Donor-Acceptor Pair. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23178-23189.	1.5	46
151	Tip enhanced Raman spectroscopy (TERS) as a probe for the buckling distortion in silicene. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8700.	1.3	26
152	Reactivity of germanones: far removed from ketones – a computational study. <i>RSC Advances</i> , 2013, 3, 24321.	1.7	13
153	Computational design of concomitant type-I and type-II porphyrin sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18471.	1.3	44
154	Aqueous fluoride ion sensing by a new perylenediimide derivative: Interaction between the hydrated fluoride and the aromatic molecule. <i>Chemical Physics Letters</i> , 2013, 588, 76-81.	1.2	16
155	Molecular Switching Behavior in Isosteric DNA Base Pairs. <i>ChemPhysChem</i> , 2013, 14, 1219-1226.	1.0	12
156	Pattern Formation Due to Fluorination on Graphene Fragments: Structures, Hopping Behavior, and Magnetic Properties. <i>Journal of Physical Chemistry A</i> , 2013, 117, 8506-8511.	1.1	14
157	What Stabilizes the Li <sub>n</sub> P <sub>n</sub> Inorganic Double Helices?. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1018-1022.	2.1	30
158	An Interplay of Cooperativity between Cation-π, Anion-π and C <sub>12</sub> H <sub>8</sub> -Anion Interactions. <i>ChemPhysChem</i> , 2013, 14, 1149-1154.	1.0	14
159	A charge transfer single crystal field effect transistor operating at low voltages. <i>Chemical Communications</i> , 2013, 49, 5847.	2.2	48
160	Mechanism for C-I Bond Dissociation in Iodoethane, Iodobenzene, and Iodoethene for the C-C Cross Coupling Reactions over Gold Clusters. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21433-21440.	1.5	28
161	High-Mobility Field Effect Transistors Based on Supramolecular Charge Transfer Nanofibres. <i>Advanced Materials</i> , 2013, 25, 559-564.	11.1	74
162	Understanding of the Buckling Distortions in Silicene. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24639-24648.	1.5	188

#	ARTICLE	IF	CITATIONS
163	Effect of External Electric Field on Hâ€•Bonding and Î€•Stacking Interactions in Guanine Aggregates. ChemPhysChem, 2012, 13, 4163-4172.	1.0	48
164	Cu/AlO(OH)-catalyzed formation of Î²-enamino ketones/esters under solvent, ligand and base free conditions â€• experimental and computational studies. Catalysis Science and Technology, 2012, 2, 1872.	2.1	14
165	Aminoindolines versus Quinolines: Mechanistic Insights into the Reaction between 2-Aminobenzaldehydes and Terminal Alkynes in the Presence of Metals and Secondary Amines. Journal of Organic Chemistry, 2012, 77, 6179-6185.	1.7	22
166	Tunneling Governs Intramolecular Proton Transfer in Thiotropolone at Room Temperature. Angewandte Chemie - International Edition, 2012, 51, 9389-9392.	7.2	23
167	Molecular Balances Based on Aliphatic CHâ€• and Lone-Pairâ€• Interactions. Journal of Physical Chemistry Letters, 2012, 3, 1493-1496.	2.1	78
168	Do Cationâ€•â€• Interactions Always Need to be 1:1?. ChemPhysChem, 2012, 13, 695-698.	1.0	37
169	Mechanistic Study for the Facile Oxidation of Trimethoprim on a Manganese Porphyrin Incorporated Glassy Carbon Electrode. Journal of Physical Chemistry C, 2011, 115, 21858-21864.	1.5	33
170	Role of Multicentered Bonding in Controlling Magnetic Interactions in Î€•Stacked Bis-dithiazolyl Radical. Crystal Growth and Design, 2011, 11, 3137-3140.	1.4	45
171	Why Does Gold(III) Porphyrin Act as a Selective Catalyst in the Cycloisomerization of Allenones?. Journal of Physical Chemistry C, 2011, 115, 2187-2195.	1.5	33
172	Nucleic Acid G-quartets: Insights into Diverse Patterns and Optical Properties. Journal of Physical Chemistry C, 2011, 115, 12530-12546.	1.5	64
173	Effects of geminal methyl groups on the tunnelling rates in the ring opening of cyclopropylcarbanyl radical at cryogenic temperature. Organic and Biomolecular Chemistry, 2011, 9, 3142.	1.5	12
174	Structures and electronic properties of silicene clusters: a promising material for FET and hydrogen storage. Physical Chemistry Chemical Physics, 2011, 13, 7304.	1.3	125
175	Î€•Stacking interactions between G-quartets and circulenes: A computational study. Journal of Chemical Sciences, 2011, 123, 891-900.	0.7	5
176	Regioâ€•and stereoselective synthesis of 1â€•benzopyrano[2,3â€•i>b</i>]pyrrolo[2,3â€•i>d</i>]pyridines: A microwaveâ€•accelerated intramolecular [3+2] cycloaddition reaction of azomethine ylide. Journal of Heterocyclic Chemistry, 2011, 48, 763-768.	1.4	9
177	Metal encapsulation mediated planar to three dimensional structural transformation in Au-clusters: The venus flytrap effect. Computational and Theoretical Chemistry, 2011, 966, 133-136.	1.1	22
178	Effects of Charging on the Structural and Electronic Properties of Aun Nanoclusters (n = 2-20). , 2011, , .		2
179	Oddâ€•even oscillations in structural and optical properties of gold clusters. Computational and Theoretical Chemistry, 2010, 945, 93-96.	1.5	36
180	Isophlorin derivatives: Structures and materials for n-Channel Organic Semiconductors. Journal of Computational Methods in Sciences and Engineering, 2010, 10, 203-218.	0.1	1

#	ARTICLE	IF	CITATIONS
181	Structures and Electronic Properties of Si-Substituted Benzenes and Their Transition-Metal Complexes. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 136-140.	2.1	34
182	Designing Molecular Switches Based on DNA-Base Mispairing. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15311-15318.	1.2	54
183	Experimental Evidence for Heavy-Atom Tunneling in the Ring-Opening of Cyclopropylcarbinyl Radical from Intramolecular <sup>12</sup> C/ <sup>13</sup> C Kinetic Isotope Effects. <i>Journal of the American Chemical Society</i> , 2010, 132, 12548-12549.	6.6	84
184	Molecular Rotor Inside a Phosphonate Cavitand: Role of Supramolecular Interactions. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1363-1366.	2.1	22
185	Understanding Peierls distortion in one-dimensional infinite V-chain and V <sup>2+</sup> Bz multi-decker complex. <i>Chemical Physics Letters</i> , 2009, 479, 133-136.	1.2	3
186	Nitroxyl Radical Plus Hydroxylamine Pseudo Self-Exchange Reactions: Tunneling in Hydrogen Atom Transfer. <i>Journal of the American Chemical Society</i> , 2009, 131, 11985-11997.	6.6	81
187	Role of Metal Ions (M = Li <sup>+</sup> , Na <sup>+</sup> , and K <sup>+</sup> ) and Pore Sizes (Crown-4, Tj ETQq1 1 0.784314 rgB) on Birefringence. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3339-3344.	1.5	47
188	Synthesis, Structure, and Transformation Studies in a Family of Inorganic <sup>2+</sup> Organic Hybrid Framework Structures Based on Indium. <i>Inorganic Chemistry</i> , 2009, 48, 11697-11711.	1.9	36
189	Degenerate Intermolecular and Intramolecular Proton-Transfer Reactions: Electronic Structure of the Transition States. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8147-8151.	1.1	13
190	Calculations Predict a Large <i>inverse</i> H/D Kinetic Isotope Effect on the Rate of Tunneling in the Ring Opening of Cyclopropylcarbinyl Radical. <i>Journal of the American Chemical Society</i> , 2009, 131, 16002-16003.	6.6	32
191	Modelling doped (Ni, Pd, Pt) sulfur <sup>2+</sup> nitrolic systems as new motifs for storage of hydrogen. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 11054.	1.3	14
192	Charge density analysis of two proton transfer complexes: Understanding hydrogen bonding and determination of in-crystal dipole moments. <i>Journal of Chemical Sciences</i> , 2008, 120, 613-620.	0.7	19
193	Molecular modelling of a chemodosimeter for the selective detection of As(III) ion in water. <i>Journal of Chemical Sciences</i> , 2008, 120, 627-635.	0.7	5
194	Hierarchical Structures in Tin(II) Oxalates. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1376-1385.	1.0	18
195	Nanoparticle-Catalyzed Clock Reaction. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3619-3626.	1.5	49
196	Calculations Predict Rapid Tunneling by Carbon from the Vibrational Ground State in the Ring Opening of Cyclopropylcarbinyl Radical at Cryogenic Temperatures. <i>Journal of the American Chemical Society</i> , 2008, 130, 6684-6685.	6.6	56
197	Calculations Find That Tunneling Plays a Major Role in the Reductive Elimination of Methane from Hydridomethylbis(trimethylphosphine)platinum: How to Confirm This Computational Prediction Experimentally. <i>Journal of the American Chemical Society</i> , 2008, 130, 2726-2727.	6.6	28
198	How Stable are the Mg <sup>2+</sup> Mg Bonds in Magnesium (I) Compounds toward Hydrogenation?. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18727-18729.	1.5	22

#	ARTICLE	IF	CITATIONS
199	Computational Design of High Hydrogen Adsorption Efficiency in Molecular "Sulflower", Journal of Physical Chemistry C, 2007, 111, 4487-4490.	1.5	47
200	Nonlocal Electronic Distribution in Metallic Clusters: A Critical Examination of Aromatic Stabilization. Accounts of Chemical Research, 2007, 40, 213-221.	7.6	49
201	Comparing the electron and hole mobilities in the I <sup>±</sup> and I <sup>2</sup> phases of perylene: role of π-stacking. Journal of Materials Chemistry, 2007, 17, 1933-1938.	6.7	67
202	Electron and hole mobilities in polymorphs of benzene and naphthalene: Role of intermolecular interactions. Journal of Chemical Physics, 2007, 126, 144710.	1.2	78
203	Role of Nonbonding Interactions in the Crystal Growth of Phenazinediamine Tetrahydrate: New Insights into the Occurrence of 2D Water Layers in Crystal Hydrates. Crystal Growth and Design, 2007, 7, 966-971.	1.4	45
204	Magnetic Interactions in Layered Nickel Alkanethiolates. Journal of Physical Chemistry C, 2007, 111, 1868-1870.	1.5	30
205	Dipolar interactions and hydrogen bonding in supramolecular aggregates: understanding cooperative phenomena for 1st hyperpolarizability. Chemical Society Reviews, 2006, 35, 1305.	18.7	227
206	Structures of Nucleobases Trapped within Au Triangles and Its Effects on Hydrogen Bonding in Base Pairs of DNA. Journal of Physical Chemistry B, 2006, 110, 18661-18664.	1.2	36
207	Quantifying Aromaticity at the Molecular and Supramolecular Limits: Comparing Homonuclear, Heteronuclear, and H-Bonded Systems. Journal of Chemical Theory and Computation, 2006, 2, 30-36.	2.3	54
208	Aromatic Superclusters from All-Metal Aromatic and Antiaromatic Monomers, [Al <sub>4</sub> ] <sub>2</sub> - and [Al <sub>4</sub> ] <sub>4</sub> . Journal of Physical Chemistry B, 2006, 110, 20098-20101.	1.2	23
209	Conformational Preference in Heteroatomic Analogues of Ethane, H <sub>3</sub> X <sup>+</sup> YH <sub>3</sub> (X = B, Al; Y = N, P): Implications of Charge Transfer. Journal of Physical Chemistry A, 2006, 110, 5156-5163.	1.1	12
210	Competing Magnetic Interactions in a Dinuclear Ni(II) Complex: Antiferromagnetic O <sup>2-</sup> H <sup>+</sup> -O Moiety and Ferromagnetic N <sub>3</sub> -Ligand. Journal of Physical Chemistry B, 2006, 110, 12-15.	1.2	66
211	Stability of cyclic (H <sub>2</sub> O) <sub>n</sub> clusters within molecular solids: Role of aromaticity. International Journal of Quantum Chemistry, 2006, 106, 1697-1702.	1.0	9
212	Limit to puckering of benzene with sterically crowded molecules: Hexaferrocenylbenzene. Chemical Physics Letters, 2006, 433, 67-70.	1.2	11
213	New Examples of Metalloaromatic Al-Clusters: (Al <sub>4</sub> M <sub>4</sub> )Fe(CO) <sub>3</sub> (M: Li, Na and K) and (Al <sub>4</sub> M <sub>4</sub> ) <sub>2</sub> Ni: Rationalization for Possible Synthesis.. ChemInform, 2006, 37, no.	0.1	0
214	Cooperative Interactions in Supramolecular Aggregates: Linear and Nonlinear Responses in Calix[4]arenes. ChemPhysChem, 2006, 7, 2168-2174.	1.0	33
215	Effects of conjugation length and donor-acceptor functionalization on the non-linear optical properties of organic push-pull molecules using density functional theory. Computational and Theoretical Chemistry, 2005, 715, 59-64.	1.5	27
216	Linear and nonlinear optical polarizabilities in supramolecular aggregates: Effects of hydrogen bonding and dipolar interactions. Computational and Theoretical Chemistry, 2005, 756, 97-102.	1.5	19

#	ARTICLE	IF	CITATIONS
217	Nonlinear Optical Properties in Calix[n]arenes: Orientation Effects of Monomers. Chemistry - A European Journal, 2005, 11, 4961-4969.	1.7	35
218	Charge-Transfer Induced Large Nonlinear Optical Properties of Small Al Clusters: Al <sub>4</sub> M <sub>4</sub> (M: Li, Na, and K). Journal of Physical Chemistry B, 2005, 9, 1078-1088.	0.15	0
219	Long-range electron transfer across $\pi$ -conjugated chain: Role of electron correlations. Physical Review B, 2005, 72, .	1.1	16
220	Li and Be clusters: Structure, bonding and odd-even effects in half-filled systems. Computing Letters, 2005, 1, 271-276.	0.5	6
221	Stable Transition Metal Complexes of an All-Metal Antiaromatic Molecule (Al <sub>4</sub> Li <sub>4</sub> ): A Role of Complexations. Journal of the American Chemical Society, 2005, 127, 3496-3500.	6.6	56
222	New examples of metalloaromatic Al-clusters: (Al <sub>4</sub> M <sub>4</sub> )Fe(CO) <sub>3</sub> (M = Li, Na and K) and (Al <sub>4</sub> M <sub>4</sub> ) <sub>2</sub> Ni: rationalization for possible synthesis. Chemical Communications, 2005, , 5032.	2.2	23
223	Rationalization of the $\pi$ - $\pi^*$ (Anti)aromaticity in All Metal Molecular Clusters. Journal of Chemical Theory and Computation, 2005, 1, 824-826.	2.3	25
224	Aromaticity in Stable Tiara Nickel Thiolates: A Computational and Structural Analysis. Journal of Physical Chemistry A, 2005, 109, 11647-11649.	1.1	32
225	Odd-Even Oscillations in First Hyperpolarizability of Dipolar Chromophores: A Role of Conformations of Spacers. Journal of Physical Chemistry A, 2005, 109, 4112-4117.	1.1	20
226	Structure and electronic properties of the Watson-Crick base pairs: Role of hydrogen bonding. Synthetic Metals, 2005, 155, 398-401.	2.1	23
227	Proton-pump mechanism in retinal Schiff base: On the molecular structure of the M-state. Synthetic Metals, 2005, 155, 402-405.	2.1	2
228	Effects of Dipole Orientations on Nonlinear Optical Properties of Oxo-Bridged Dinitroaniline Systems. Journal of Physical Chemistry A, 2004, 108, 320-325.	1.1	43
229	Charge-Transfer Induced Large Nonlinear Optical Properties of Small Al Clusters: Al <sub>4</sub> M <sub>4</sub> (M = Li, Na, K). Journal of Physical Chemistry B, 2005, 9, 1078-1088.	1.1	11
230	Dipole orientation effects on nonlinear optical properties of organic molecular aggregates. Journal of Chemical Physics, 2003, 118, 8420-8427.	1.2	117
231	A Hierarchical (Macro)molecular Assembly Assisted by Donor-Acceptor Charge-Transfer Interactions Exhibiting Room-Temperature Ferroelectricity. Angewandte Chemie, 0, , .	1.6	2
232	Copper Nanoclusters for Catalytic Carbon-Carbon and Carbon-Nitrogen Bond Formations. ACS Applied Nano Materials, 0, , .	2.4	3