Takashi Kubo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/865816/publications.pdf

Version: 2024-02-01

190 papers	8,798 citations	38660 50 h-index	46693 89 g-index
218 all docs	218 docs citations	218 times ranked	4074 citing authors

#	Article	IF	Citations
1	Mechanism and Kinetics of Fluorescence Quenching of Fluorene-Endcapped Butatriene: A Microspectroscopic Study of the Discrete State Constructed in Microcrystals. Journal of Physical Chemistry C, 2022, 126, 1196-1203.	1.5	3
2	Molecular and Spin Structures of a Throughâ€Space Conjugated Triradical System. Angewandte Chemie - International Edition, 2022, 61, .	7.2	16
3	1,2,3â€Tri(9â€anthryl)benzene: Photophysical Properties and Solidâ€State Intermolecular Interactions of Radially Arranged, Congested Aromatic Ïâ€Planes**. Chemistry - A European Journal, 2022, 28, e202104245.	1.7	3
4	Molecular and Spin Structures of a Throughâ€Space Conjugated Triradical System. Angewandte Chemie, 2022, 134, .	1.6	1
5	A strong hydride donating, acid stable and reusable 1,4-dihydropyridine for selective aldimine and aldehyde reductions. Organic and Biomolecular Chemistry, 2022, , .	1.5	2
6	Synthesis, properties and chemical modification of a persistent triisopropylsilylethynyl substituted tri(9-anthryl)methyl radical. Chemical Communications, 2022, 58, 3306-3309.	2.2	7
7	Tunable Solidâ€State Thermochromism: Alkyl Chain Lengthâ€Dependent Conformational Isomerization of Bianthrones. Chemistry - an Asian Journal, 2022, 17, .	1.7	2
8	Sterically Frustrated Aromatic Enes with Various Colors Originating from Multiple Folded and Twisted Conformations in Crystal Polymorphs**. Chemistry - A European Journal, 2022, 28, .	1.7	9
9	Synthesis of Ï€-Extended Thieleâ€™s and Chichibabinâ€™s Hydrocarbons and Effect of the Ï€-Congestion on Conformations and Electronic States. Journal of the American Chemical Society, 2022, 144, 7479-7488.	6.6	23
10	Synthesis of Anthraceneâ€Based Cyclic Ïâ€Clusters and Elucidation of their Properties Originating from Congested Aromatic Planes. Angewandte Chemie, 2021, 133, 5460-5466.	1.6	4
11	Synthesis of Anthraceneâ€Based Cyclic Ïâ€Clusters and Elucidation of their Properties Originating from Congested Aromatic Planes. Angewandte Chemie - International Edition, 2021, 60, 5400-5406.	7.2	21
12	Biradicaloid Behavior of a Twisted Double Bond. Journal of Physical Chemistry Letters, 2021, 12, 4729-4734.	2.1	16
13	Syntheses and Properties of Open-Shell Ï€-Conjugated Molecules. Bulletin of the Chemical Society of Japan, 2021, 94, 2235-2244.	2.0	25
14	Spinâ€“Spin Interactions in Oneâ€Dimensional Assemblies of a Cumuleneâ€Based Singlet Biradical. Angewandte Chemie - International Edition, 2021, 60, 21319-21326.	7.2	5
15	Spinâ€“Spin Interactions in Oneâ€Dimensional Assemblies of a Cumuleneâ€Based Singlet Biradical. Angewandte Chemie, 2021, 133, 21489-21496.	1.6	2
16	Long Carbonâ€“Carbon Bonding beyond 2 Ã… in Tris(9-fluorenylidene)methane. Journal of the American Chemical Society, 2021, 143, 14360-14366.	6.6	19
17	Optical nature of nonâ€substituted triphenylmethyl cation: Crystalline state emission, thermochromism, and phosphorescence. Aggregate, 2021, 2, e126.	5.2	13
18	Formation of Perylenes by Oxidative Dimerization of Naphthalenes Bearing Radical Sources. ChemPlusChem, 2020, 85, 101-109.	1.3	4

#	Article	IF	Citations
19	Switchable Conformational Isomerization of an Overcrowded Tristricyclic Aromatic Ene. Journal of Organic Chemistry, 2020, 85, 179-186.	1.7	33
20	Synthesis and Electronic Properties of the 1-Naphthoxyl Radical. Chemistry Letters, 2020, 49, 153-155.	0.7	2
21	Low-Temperature Removal of Dissociated Bromine by Silicon Atoms for an On-Surface Ullmann Reaction. Journal of Physical Chemistry C, 2020, 124, 19675-19680.	1.5	10
22	Duality of Reactivity of a Biradicaloid Compound with an o-Quinodimethane Scaffold. Journal of the American Chemical Society, 2020, 142, 5408-5418.	6.6	25
23	Three-dimensional graphene nanoribbons as a framework for molecular assembly and local probe chemistry. Science Advances, 2020, 6, eaay8913.	4.7	58
24	Chiral Tetraarylmethane Derivative with Metalâ€Coordinating Ability. Asian Journal of Organic Chemistry, 2020, 9, 652-659.	1.3	2
25	Self-Assembly of 1-Deazahypoxanthine: Cooperativity of Hydrogen-Bonding and Stacking Interactions. Journal of Physical Chemistry C, 2019, 123, 20928-20935.	1.5	2
26	Solvent viscosity-dependent isomerization equilibrium of tetramethoxy-substituted bianthrone. Physical Chemistry Chemical Physics, 2019, 21, 12209-12216.	1.3	15
27	Redox/pH Dual Stimuliâ€Responsive Acridine Spiropyran. Asian Journal of Organic Chemistry, 2019, 8, 863-866.	1.3	2
28	Dynamics of Water Molecules in a 3-Fold Interpenetrated Hydrogen-Bonded Organic Framework Based on Tetrakis(4-pyridyl)methane. Journal of Physical Chemistry C, 2019, 123, 6599-6606.	1.5	4
29	Synthesis, Physical Properties, and Reactivity of Stable, Ï€-Conjugated, Carbon-Centered Radicals. Molecules, 2019, 24, 665.	1.7	51
30	Quantum Master Equation Approach to Singlet Fission Dynamics in Pentacene Linear Aggregate Models: Size Dependences of Excitonic Coupling Effects. Journal of Computational Chemistry, 2019, 40, 89-104.	1.5	21
31	Anthraceneâ€Attached Persistent Tricyclic Aromatic Hydrocarbon Radicals. Chemistry - an Asian Journal, 2019, 14, 1830-1836.	1.7	14
32	Synthesis and Electronic Properties of Triperyleno[3.3.3]Propellanes: Towards Twoâ€Dimensional Electronic Structures. ChemPlusChem, 2019, 84, 599-602.	1.3	7
33	Synthesis, Physical Properties, and Reactivity of Persistent Ï€-Conjugated Carbon-Centered Radicals. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2019, 77, 494-502.	0.0	1
34	Unforeseen 1,2-Aryl Shift in Tetraarylpyrrolo[3,2-b]pyrroles Triggered by Oxidative Aromatic Coupling. Organic Letters, 2018, 20, 1517-1520.	2.4	42
35	Polarityâ€Dependent Isomerization of an Unsymmetrical Overcrowded Ethylene Promoted by Zwitterionic Contribution in the Twisted Isomer. Chemistry - an Asian Journal, 2018, 13, 510-514.	1.7	21
36	Innentitelbild: Synthesis and Properties of a Highly Congested Tri(9-anthryl)methyl Radical (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	0

#	Article	IF	Citations
37	Synthesis and Properties of a Highly Congested Tri(9â€anthryl)methyl Radical. Angewandte Chemie, 2018, 130, 16754-16757.	1.6	30
38	Synthesis and Properties of a Highly Congested Tri(9â€anthryl)methyl Radical. Angewandte Chemie - International Edition, 2018, 57, 16516-16519.	7.2	47
39	Donorâ€“Donorâ€²â€“Acceptor Triads Based on [3.3]Paracyclophane with a 1,4â€Dithiafulvene Donor and a Cyanomethylene Acceptor: Synthesis, Structure, and Electrochemical and Photophysical Properties. Chemistry - A European Journal, 2018, 24, 11407-11416.	1.7	2
40	Synthesis, crystal structure, and photophysical properties of 2,9-disubstituted peropyrene derivatives. Canadian Journal of Chemistry, 2017, 95, 432-444.	0.6	15
41	Direct quantitative measurement of the Câ•Oâ‹…â‹…â‹…Hâ€“C bond by atomic force microscopy. Science Advances, 2017, 3, e1603258.	4.7	80
42	Elucidation of Intramolecular Throughâ€Space Electronic Communication in a Propellerâ€Shaped Molecule. ChemPlusChem, 2017, 82, 1006-1009.	1.3	11
43	Anthroxyl-based biradical: toward the construction of highly stable multi-spin systems. Organic Chemistry Frontiers, 2017, 4, 828-833.	2.3	7
44	Benzenoid Quinodimethanes. Topics in Current Chemistry, 2017, 375, 83.	3.0	53
45	Intermolecular Packing Effects on Singlet Fission in Oligorylene Dimers. ACS Omega, 2017, 2, 5095-5103.	1.6	27
46	Benzenoid Quinodimethanes. Topics in Current Chemistry Collections, 2017, , 69-105.	0.2	3
47	Recent Advances in the Chemistry of Phenalenyl. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2016, 74, 1069-1077.	0.0	41
48	Stable Delocalized Singlet Biradical Hydrocarbon for Organic Fieldâ€Effect Transistors. Advanced Functional Materials, 2016, 26, 277-283.	7.8	57
49	Synthesis, Structure, and Properties of Quinone Methides Incorporating Thiophene and Bithiophene Derivatives: New Overcrowded Extended Quinonoid Ï€-Systems. Synlett, 2016, 27, 2133-2139.	1.0	2
50	Stealth fast photoswitching of negative photochromic naphthalene-bridged phenoxyl-imidazolyl radical complexes. Chemical Communications, 2016, 52, 6797-6800.	2.2	15
51	Nonplanar Butterflyâ€Shaped Ï€â€Expanded Pyrrolopyrroles. Chemistry - A European Journal, 2016, 22, 16478-16488.	1.7	69
52	Quantum Master Equation Approach to Singlet Fission Dynamics of Realistic/Artificial Pentacene Dimer Models: Relative Relaxation Factor Analysis. Journal of Physical Chemistry C, 2016, 120, 22803-22815.	1.5	42
53	Fluxional Ïƒ-Bonds of the 2,5,8-Trimethylphenalenyl Dimer: Direct Observation of the Sixfold Ïƒ-Bond Shift via a Ï€-Dimer. Journal of the American Chemical Society, 2016, 138, 4665-4672.	6.6	92
54	Intramolecular Interaction, Photoisomerization, and Mechanical Câ€“C Bond Dissociation of 1,2-Di(9-anthryl)benzene and Its Photoisomer: A Fundamental Moiety of Anthracene-Based Ï€-Cluster Molecules. Journal of Organic Chemistry, 2016, 81, 2106-2112.	1.7	24

#	Article	IF	Citations
55	Improvement of properties of an ambipolar organic field-effect transistor by using a singlet biradicaloid film. Japanese Journal of Applied Physics, 2016, 55, 011601.	0.8	3
56	Biphenalenylidene: Isolation and Characterization of the Reactive Intermediate on the Decomposition Pathway of Phenalenyl Radical. Journal of the American Chemical Society, 2016, 138, 2399-2410.	6.6	64
57	Synthesis of a Cage-Shaped Nickel(II) Complex of bis(4-Cyclohexylamino-3-pyridyl)disulfide with Î¼2-Cl Bridging. Heterocycles, 2016, 93, 406.	0.4	0
58	Recent Progress in Quinoidal Singlet Biradical Molecules. Chemistry Letters, 2015, 44, 111-122.	0.7	253
59	Phenalenylâ€Based Openâ€Shell Polycyclic Aromatic Hydrocarbons. Chemical Record, 2015, 15, 218-232.	2.9	196
60	Heteroâ€Ïâ€Dimers of Phenalenyls. Chemistry - A European Journal, 2015, 21, 18230-18236.	1.7	38
61	Synthesis, Molecular Structure, And Morphological Properties of Dendritic Tetra-2-thienylmethane. Heterocycles, 2015, 91, 2343.	0.4	1
62	Isolation of a Hydrogenâ€Bonded Complex Based on the Anthranol/Anthroxyl Pair: Formation of a Hydrogenâ€Atom Selfâ€Exchange System. Angewandte Chemie - International Edition, 2015, 54, 2402-2405.	7.2	24
63	A facile synthesis of trinaphtho[3.3.3]propellane and its Ï€-extension and the formation of a two-dimensional honeycomb molecular assembly. Chemical Communications, 2015, 51, 3801-3803.	2.2	28
64	Efficient Synthesis of Tetra-4-pyridylmethane: Pyrolysis of Tri(4-pyridyl)-4-pyridylazomethane. Chemistry Letters, 2015, 44, 32-34.	0.7	1
65	Organic Chemistry of Graphene Framework. , 2015, , 337-360.		5
66	Static electric field effect on third-order nonlinear optical (NLO) properties of singlet diradical molecules: Toward the realization of an electric field induced open-shell NLO switch. , 2015, , .		0
67	Synthesis of Sexithiophene-Bridged Cage Compound: A New Class of Three-Dimensionally Expanded Oligothiophenes. Organic Letters, 2014, 16, 5870-5873.	2.4	12
68	Evidence of Ïƒ- and Ï€-Dimerization in a Series of Phenalenyls. Journal of the American Chemical Society, 2014, 136, 18009-18022.	6.6	150
69	Thirdâ€Order Nonlinear Optical Properties of Oneâ€Dimensional Openâ€Shell Molecular Aggregates Composed of Phenalenyl Radicals. Chemistry - A European Journal, 2014, 20, 11129-11136.	1.7	46
70	Dual Association Modes of the 2,5,8â€Tris(pentafluorophenyl)phenalenyl Radical. Chemistry - an Asian Journal, 2014, 9, 1823-1829.	1.7	56
71	Design and Synthesis of New Stable Fluorenyl-Based Radicals. Journal of the American Chemical Society, 2014, 136, 12784-12793.	6.6	83
72	Anthenes: Model systems for understanding the edge state of graphene nanoribbons. Pure and Applied Chemistry, 2014, 86, 497-505.	0.9	24

#	Article	IF	Citations
73	Voltammetric and in situ frequency modulation atomic force microscopic investigation of phenalenyl derivatives adsorbed on graphite surfaces. Carbon, 2014, 77, 184-190.	5.4	7
74	Synthesis and Characterization of Nickel Complex of 4-Amino-3-pyridinethiolate. Heterocycles, 2014, 88, 175.	0.4	0
75	Electronic Structure of One-Dimensional Biradical Molecular Chain. Materials Research Society Symposia Proceedings, 2014, 1605, 1.	0.1	0
76	Diradicalology in thirdâ€•order nonlinear optical systems: Second hyperpolarizabilities of acetyleneâ€linked phenalenylâ€based superpolyenes. International Journal of Quantum Chemistry, 2013, 113, 585-591.	1.0	4
77	Investigating the edge state of graphene nanoribbons by a chemical approach: Synthesis and magnetic properties of zigzag-edged nanographene molecules. Solid State Communications, 2013, 175-176, 62-70.	0.9	18
78	Synthesis and Characterization of Quarteranthene: Elucidating the Characteristics of the Edge State of Graphene Nanoribbons at the Molecular Level. Journal of the American Chemical Society, 2013, 135, 1430-1437.	6.6	237
79	Electron transfer of phenalenyl derivative molecules adsorbed at the graphite electrode/aqueous solution interface. Carbon, 2013, 63, 196-201.	5.4	5
80	Direct observation of energy band development in a one-dimensional biradical molecular chain by ultraviolet photoemission spectroscopy. Applied Physics Letters, 2013, 102, 134103.	1.5	10
81	Facile Synthesis and Lateral Ï€-Expansion of Bisanthenes. Chemistry Letters, 2013, 42, 592-594.	0.7	52
82	Electronic Structure of Organic Biradical Molecular Films. Journal of the Vacuum Society of Japan, 2013, 56, 32-38.	0.3	0
83	Electron donor solvent effects on the (Hyper) polarizabilities of a solute presenting singlet diradical character. AIP Conference Proceedings, 2012, , .	0.3	2
84	Spin polarization and third-order nonlinear optical properties of open-shell singlet graphene nanoflakes. , 2012, , .		0
85	Long-range-corrected UDFT study on second hyperpolarizabilities of open-shell singlet systems. , 2012, , .		0
86	Theoretical consideration of singlet open-shell character of polyperiacenes using Clar's aromatic sextet valence bond model and quantum chemical calculations. AIP Conference Proceedings, 2012, , .	0.3	54
87	One- and two-photon absorptions in open-shell singlet systems. AIP Conference Proceedings, 2012, , .	0.3	13
88	Theoretical aspects on the evaluation and interpretation of the third-order nonlinear optical properties of diradical compounds. , 2012, , .		0
89	Singlet open-shell character of conjugated Kekulèmolecules. , 2012, , .		0
90	Synthesis and electronic structure of bisanthene: A small molecular-sized graphene with zigzag edges. AIP Conference Proceedings, 2012, , .	0.3	16

#	Article	IF	Citations
91	Impact of Antidot Structure on the Multiradical Characters, Aromaticities, and Third-Order Nonlinear Optical Properties of Hexagonal Graphene Nanoflakes. Journal of Physical Chemistry C, 2012, 116, 17787-17795.	1.5	61
92	Aromaticity and Ï€-bond covalency: prominent intermolecular covalent bonding interaction of a KekulÃ© hydrocarbon with very significant singlet biradical character. Chemical Communications, 2012, 48, 5629.	2.2	111
93	Synthesis, Electronic, and Morphological Properties of Tetrahedral Oligothiophenes with nâ€Hexyl Terminal Groups. Chemistry - an Asian Journal, 2012, 7, 225-232.	1.7	5
94	ISOLATION AND FIRST X-RAY STRUCTURES OF NICKEL COMPLEXES OF 1,2,5-THIADIAZOLE-3,4-DITHIOLATE (TDAS) IN PROTONATED FORMS. Heterocycles, 2012, 86, 991.	0.4	0
95	Giant Enhancement of the Second Hyperpolarizabilities of Open-Shell Singlet Polyaromatic Diphenalenyl Diradicaloids by an External Electric Field and Donorâ€“Acceptor Substitution. Journal of Physical Chemistry Letters, 2011, 2, 1094-1098.	2.1	111
96	Enhancement of Second Hyperpolarizabilities in Open-Shell Singlet Slipped-Stack Dimers Composed of Square Planar Nickel Complexes Involving o-Semiquinonato Type Ligands. Journal of Physical Chemistry A, 2011, 115, 1117-1124.	1.1	21
97	Synthesis, Crystal Structure, and Physical Properties of Sterically Unprotected Hydrocarbon Radicals. Journal of the American Chemical Society, 2011, 133, 14240-14243.	6.6	84
98	Singlet Open-Shell Character of Polyperiacenes. , 2011, , 45-57.		0
99	Size dependences of the diradical character and the second hyperpolarizabilities in dicyclopenta-fused acenes: relationships with their aromaticity/antiaromaticity. Physical Chemistry Chemical Physics, 2011, 13, 20575.	1.3	69
100	Third-Order Nonlinear Optical Properties of Open-Shell Supermolecular Systems Composed of Acetylene Linked Phenalenyl Radicals. Journal of Physical Chemistry A, 2011, 115, 8767-8777.	1.1	30
101	(Hyper)polarizability density analysis for open-shell molecular systems based on natural orbitals and occupation numbers. Theoretical Chemistry Accounts, 2011, 130, 711-724.	0.5	125
102	Experimental consideration of covalentâ€bonding interactions in stacks of singlet biradicals having KekulÃ© structures. Journal of Physical Organic Chemistry, 2011, 24, 876-882.	0.9	25
103	Openâ€Shell Characters and Second Hyperpolarizabilities of Oneâ€Dimensional Graphene Nanoflakes Composed of Trigonal Graphene Units. ChemPhysChem, 2011, 12, 1697-1707.	1.0	46
104	â€œMarkingâ€•the nitrogen atoms of phenylâ€(2â€pyridyl)â€(3â€pyridyl)â€(4â€pyridyl)â€•methane. Synthesis and absolute configuration of the corresponding tris(pyridine Nâ€•oxide). Chirality, 2011, 23, 543-548.	1.3	4
105	Pentaleno[1,2-c:4,5-câ€²]dithiophene Derivatives: First Synthesis, Properties, and a Molecular Structure. Chemistry Letters, 2010, 39, 300-301.	0.7	47
106	Synthesis and Characterization of Teranthene: A Singlet Biradical Polycyclic Aromatic Hydrocarbon Having KekulÃ© Structures. Journal of the American Chemical Society, 2010, 132, 11021-11023.	6.6	285
107	Signature of multiradical character in second hyperpolarizabilities of rectangular graphene nanoflakes. Chemical Physics Letters, 2010, 489, 212-218.	1.2	90
108	Dinaphthopentalenes: Pentalene Derivatives for Organic Thinâ€Film Transistors. Angewandte Chemie - International Edition, 2010, 49, 7728-7732.	7.2	170

#	Article	IF	Citations
109	An effective synthesis of N,N-dimethylamides from carboxylic acids and a new route from N,N-dimethylamides to 1,2-diaryl-1,2-diketones. Tetrahedron, 2010, 66, 8968-8973.	1.0	35
110	Long-range corrected density functional theory study on static second hyperpolarizabilities of singlet diradical systems. Journal of Chemical Physics, 2010, 132, 094107.	1.2	82
111	Singlet Diradical Character from Experiment. Journal of Physical Chemistry Letters, 2010, 1, 937-940.	2.1	181
112	Hydrogen-Bonded Quartz-type Network of Diprotonated Tetrakis(4-pyridyl)methane Dications. Crystal Growth and Design, 2010, 10, 2854-2856.	1.4	7
113	Alternating Covalent Bonding Interactions in a One-Dimensional Chain of a Phenalenyl-Based Singlet Biradical Molecule Having KekulÃ© Structures. Journal of the American Chemical Society, 2010, 132, 14421-14428.	6.6	162
114	Giant electric field effect on the second hyperpolarizability of symmetric singlet diradical molecules. Journal of Chemical Physics, 2010, 133, 154302.	1.2	38
115	Electronic structure of delocalized singlet biradical Ph2-IDPL solid film. Physical Chemistry Chemical Physics, 2010, 12, 12570.	1.3	15
116	Synthesis and Identification of a Trimethylenemethane Derivative Ï€-Extended with Three Pyridinyl Radicals. Organic Letters, 2010, 12, 836-839.	2.4	14
117	Chemistry of Phenalenyl-based Delocalized Singlet Biradicals. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2010, 68, 64-74.	0.0	6
118	Third-Order Nonlinear Optical Properties of Open-Shell Systems: Diradical Character and Spin State Dependences. , 2009, , .		0
119	An Extremely Simple Dibenzopentalene Synthesis from 2â€Bromoâ€1â€ethynylbenzenes Using Nickel(0) Complexes: Construction of Its Derivatives with Various Functionalities. Chemistry - A European Journal, 2009, 15, 2653-2661.	1.7	113
120	Resonance Balance Shift in Stacks of Delocalized Singlet Biradicals. Angewandte Chemie - International Edition, 2009, 48, 5482-5486.	7.2	140
121	Third-order nonlinear optical properties of trigonal, rhombic and bow-tie graphene nanoflakes with strong structural dependence of diradical character. Chemical Physics Letters, 2009, 480, 278-283.	1.2	49
122	Electron donor solvent effects on the (hyper)polarizabilities of a singlet diradical molecule involving a boron atom. Chemical Physics Letters, 2009, 477, 309-314.	1.2	9
123	Theoretical study on third-order nonlinear optical properties in hexagonal graphene nanoflakes: Edge shape effect. Chemical Physics Letters, 2009, 477, 355-359.	1.2	74
124	Shape-persistent, double-helically twisted macrocycles with two quaterphenyl moieties: Synthesis, structure and physicochemical properties for a chiral sensor. Comptes Rendus Chimie, 2009, 12, 403-411.	0.2	7
125	Scanning Tunneling Microscopy Study of a Phenalenyl-Based Singlet Biradical on Graphite. Journal of Physical Chemistry C, 2009, 113, 1515-1519.	1.5	16
126	Control of third-order nonlinear optical properties of singlet diradical square planar metal complexes involving o-semiquinonato type ligands. Synthetic Metals, 2009, 159, 2416-2418.	2.1	7

#	Article	IF	Citations
127	Remarkable two-photon absorption in open-shell singlet systems. Journal of Chemical Physics, 2009, 131, 114316.	1.2	54
128	Magnetic Properties of Iron(II) and Cobalt(II) Complexes of Tetrakis(2-pyridyl)methane. Spin-crossover Behavior in the Cobalt(II) Complex. Chemistry Letters, 2009, 38, 620-621.	0.7	14
129	Theoretical study on the second hyperpolarizability of open-shell singlet one-dimensional systems with a charged defect. Chemical Physics Letters, 2008, 451, 111-115.	1.2	13
130	Intermolecular interaction effects on the second hyperpolarizability of open-shell singlet diphenalenyl radical dimer. Chemical Physics Letters, 2008, 454, 97-104.	1.2	36
131	Theoretical study of third-order nonlinear optical properties in square nanographenes with open-shell singlet ground states. Chemical Physics Letters, 2008, 467, 120-125.	1.2	96
132	Electronic structure of 2,5,8-tri-tert-butylphenalenyl radical studied by He(I) photoelectron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2008, 165, 11-14.	0.8	3
133	Tetrahedral Oligothiophenes; Synthesis, Xâ€ray Analysis, and Optoelectronic Properties of Highly Symmetrical, 3Dâ€Branched Oligothiophenes. Chemistry - an Asian Journal, 2008, 3, 2024-2032.	1.7	10
134	Synthesis and Functionalization of 3,3â€²-Bis(spirodienone)-Bridged 2,2â€²-Bithiophene: A New Building Block for Redox-Active Molecular Switching Materials. Organic Letters, 2008, 10, 3837-3840.	2.4	11
135	Theoretical Study on Second Hyperpolarizabilities of Singlet Diradical Square Planar Nickel Complexes Involving o-Semiquinonato Type Ligands. Journal of Physical Chemistry A, 2008, 112, 8423-8429.	1.1	49
136	Multicharged iron ions produced by using induction heating vapor source. Review of Scientific Instruments, 2008, 79, 02A312.	0.6	4
137	Application of compact electron cyclotron resonance ion source. Review of Scientific Instruments, 2008, 79, 02A328.	0.6	5
138	Chiral Tetrakis(2-thienyl)methane Derivative: A Possible Precursor for Cryptochiral Tetraalkylmethanes. Chemistry Letters, 2008, 37, 1236-1237.	0.7	3
139	Spin State Dependence of Second Hyperpolarizabilities of Zethrenes. AIP Conference Proceedings, 2008, , .	0.3	0
140	Second Hyperpolarizability of Zethrenes. Computing Letters, 2007, 3, 333-338.	0.5	60
141	Relationship between Third-Order Nonlinear Optical Properties and Magnetic Interactions in Open-Shell Systems: A New Paradigm for Nonlinear Optics. Physical Review Letters, 2007, 99, 033001.	2.9	258
142	Ambipolar organic field-effect transistors based on a low band gap semiconductor with balanced hole and electron mobilities. Applied Physics Letters, 2007, 91, .	1.5	120
143	Finite-Field Spin-Flip Configuration Interaction Calculation of the Second Hyperpolarizabilities of Singlet Diradical Systems. Journal of Chemical Theory and Computation, 2007, 3, 1699-1707.	2.3	41
144	Theoretical Study on the Second Hyperpolarizabilities of Phenalenyl Radical Systems Involving Acetylene and Vinylene Linkers:Â Diradical Character and Spin Multiplicity Dependences. Journal of Physical Chemistry A, 2007, 111, 3633-3641.	1.1	84

#	Article	IF	Citations
145	Second Hyperpolarizabilities of Singlet Polycyclic Diphenalenyl Radicals:â€‰ Effects of the Nature of the Central Heterocyclic Ring and Substitution to Diphenalenyl Rings. Journal of Physical Chemistry A, 2007, 111, 9102-9110.	1.1	25
146	Syntheses and Unusual Segregatedâ^'Alternated Hybrid Stacking Structure of Hydrogen-Bonded Charge-Transfer Complexes Composed of Bis[2,3-pyridinedithiolate]metal Complexes. Inorganic Chemistry, 2007, 46, 1162-1170.	1.9	15
147	Singlet Biradical Character of Phenalenyl-Based KekulÃ© Hydrocarbon with Naphthoquinoid Structure. Organic Letters, 2007, 9, 81-84.	2.4	148
148	Second Hyperpolarizabilities (Î³) of 1,3-Dipole Systems: Diradical Character Dependence of Î³. AIP Conference Proceedings, 2007, , .	0.3	0
149	Strong Two-Photon Absorption of Singlet Diradical Hydrocarbons. Angewandte Chemie - International Edition, 2007, 46, 3544-3546.	7.2	261
150	First and second hyperpolarizabilities of donorâ€“acceptor disubstituted diphenalenyl radical systems. Chemical Physics Letters, 2007, 443, 95-101.	1.2	43
151	A new hydrogen-bonded charge-transfer complex [Ni(Hpydt)2]TNAP: Synthesis, structure and electrical conductivity. Inorganic Chemistry Communication, 2007, 10, 860-862.	1.8	8
152	CASCI-DFT study of the phenalenyl radical system. Polyhedron, 2007, 26, 2313-2319.	1.0	12
153	Synthesis and Characterization of Acetyleneâ€Linked Bisphenalenyl and Metallicâ€Like Behavior in Its Chargeâ€Transfer Complex. Chemistry - an Asian Journal, 2007, 2, 1370-1379.	1.7	20
154	Rising Microwave Frequency of a Broad-Ion-Beam ECR Source with Cylindrically Comb-Shaped Magnetic Field Configuration. AIP Conference Proceedings, 2006, , .	0.3	0
155	An Electron Cyclotron Resonance Ion Source with Cylindrically Comb-Shaped Magnetic Field Configuration. AIP Conference Proceedings, 2006, , .	0.3	5
156	Bis(9-phenanthryl)ethyne. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o3410-o3411.	0.2	0
157	Second hyperpolarizabilities of polycyclic aromatic hydrocarbons involving phenalenyl radical units. Chemical Physics Letters, 2006, 418, 142-147.	1.2	139
158	Second hyperpolarizability of phenalenyl radical system involving acetylene Ï€-conjugated bridge. Chemical Physics Letters, 2006, 420, 432-437.	1.2	33
159	Second hyperpolarizabilities of polycyclic diphenalenyl radicals: Effects of para/ortho-quinoid structures and central ring modification. Chemical Physics Letters, 2006, 429, 174-179.	1.2	20
160	Second hyperpolarizabilities (Î³) of open-shell singlet one-dimensional systems: Intersite interaction effects on the average diradical character and size dependences of Î³. Chemical Physics Letters, 2006, 432, 473-479.	1.2	34
161	Origin of the enhancement of the second hyperpolarizability of singlet diradical systems with intermediate diradical character. Journal of Chemical Physics, 2006, 125, 074113.	1.2	88
162	Powder XRD and Solid-State ²H-NMR Studies on RAP-Protected Palladium Nanoparticle (RAP = Rubeanic-Acid Polymer). Solid State Phenomena, 2006, 111, 107-110.	0.3	3

#	Article	IF	Citations
163	Production of multicharged iron ions with inductively heated vapor source. Review of Scientific Instruments, 2006, 77, 03A335.	0.6	7
164	Theoretical Study on the Second Hyperpolarizabilities of Diphenalenyl Radical Systems. , 2006, , 231-240.		0
165	Magnetic interaction in 2D sheet structure of bis(1H, 4H-5,6-diethylpyrazinedithiolato) copper(II) trifluoroacetate. Polyhedron, 2005, 24, 2528-2532.	1.0	2
166	Biradicaloid character of phenalenyl-based aromatic compounds with a small HOMOâ€“LUMO gap. Polyhedron, 2005, 24, 2522-2527.	1.0	34
167	Synthesis, Intermolecular Interaction, and Semiconductive Behavior of a Delocalized Singlet Biradical Hydrocarbon. Angewandte Chemie - International Edition, 2005, 44, 6564-6568.	7.2	312
168	Preparation and proton transport property of N,Nâ€²- diethyldithiooxamidatocopper coordination polymer. Synthetic Metals, 2005, 154, 89-92.	2.1	58
169	Molecular structure and properties of bis(O-diiminobenzosemiquinonato) metal(II) complexes monocation in salts and charge transfer complexes. Synthetic Metals, 2005, 153, 465-468.	2.1	5
170	Second Hyperpolarizability (Î³) of Singlet Diradical System:Â Dependence of Î³ on the Diradical Character. Journal of Physical Chemistry A, 2005, 109, 885-891.	1.1	296
171	Theoretical Study on Open-Shell Nonlinear Optical Systems. Materials Research Society Symposia Proceedings, 2004, 846, DD1.4.1.	0.1	2
172	Four-Stage Amphoteric Redox Properties and Biradicaloid Character of Tetra-tert-butyldicyclopenta[b;d]thieno[1,2,3-cd;5,6,7-c?d?]diphenalene. Angewandte Chemie - International Edition, 2004, 43, 6474-6479.	7.2	119
173	Synthesis, Structure, and Cooperative Protonâ^'Electron Transfer Reaction of Bis(5,6-diethylpyrazinedithiolato)metal Complexes (M = Ni, Pd, Pt). Inorganic Chemistry, 2004, 43, 7301-7307.	1.9	24
174	Multi-Stage Amphoteric Redox Hydrocarbons Based on a Phenalenyl Radical. Bulletin of the Chemical Society of Japan, 2004, 77, 1791-1801.	2.0	55
175	Complementary double hydrogen-bonded CT complexes of TTF having uracil moiety. Synthetic Metals, 2003, 133-134, 337-339.	2.1	2
176	Charge transfer salts of phenalenylium derivatives having alkylamino groups. Synthetic Metals, 2003, 135-136, 617-618.	2.1	6
177	A new proton-conductive copper coordination polymer, (HOC3H6)2dtoaCu (dtoa = dithiooxamide). Synthetic Metals, 2003, 135-136, 283-284.	2.1	31
178	Hybrid Density Functional Theory Studies on the Magnetic Interactions and the Weak Covalent Bonding for the Phenalenyl Radical Dimeric Pair. Journal of the American Chemical Society, 2002, 124, 11122-11130.	6.6	118
179	Effective exchange integrals and chemical indices for a phenalenyl radical dimeric pair. Chemical Physics Letters, 2002, 358, 17-23.	1.2	31
180	The First Detection of a Clar's Hydrocarbon, 2,6,10-Tri-tert-Butyltriangulene:â€‰ A Ground-State Triplet of Non-KekulÃ© Polynuclear Benzenoid Hydrocarbon. Journal of the American Chemical Society, 2001, 123, 12702-12703.	6.6	157

#	Article	IF	Citations
181	The first non-KekulÃ© polynuclear aromatic high-spin hydrocarbon: Generation of a triangulene derivative and band structure calculation of triangulene-based high-spin hydrocarbons. Synthetic Metals, 2001, 121, 1824-1825.	2.1	20
182	4,7,11,14,18,21-Hexa-t-butyltribenzodecacyclenyl Radical: A Six-Stage Amphoteric Redox System. Bulletin of the Chemical Society of Japan, 2001, 74, 1999-2009.	2.0	22
183	Tetra-tert-butyl-as-indaceno[1,2,3-cd:6,7,8-câ€²dâ€²]diphenalene: a four-stage amphoteric redox system. Tetrahedron Letters, 2001, 42, 7997-8001.	0.7	22
184	Electronic Structure of a Stable Phenalenyl Radical as Studied by ESR/ENDOR, Paramagnetic NMR Spectroscopy and SQUID Measurements. Molecular Crystals and Liquid Crystals, 1999, 334, 49-58.	0.3	21
185	Electronic structure of a stable phenalenyl radical in crystalline state as studied by SQUID measurements, cw-ESR, and 13C CP/MAS NMR spectroscopy. Synthetic Metals, 1999, 103, 2257-2258.	2.1	68
186	A Stable Neutral Hydrocarbon Radical:Â Synthesis, Crystal Structure, and Physical Properties of 2,5,8-Tri-tert-butyl-phenalenyl. Journal of the American Chemical Society, 1999, 121, 1619-1620.	6.6	439
187	4,8,12,16-Tetra-tert-butyl-s-indaceno[1,2,3-cd:5,6,7-câ€˜dâ€˜]diphenalene:Â A Four-Stage Amphoteric Redox System. Journal of the American Chemical Society, 1998, 120, 2018-2027.	6.6	123
188	Hexaâ€‹tertâ€‹butyltribenzodecacyclenyl: eine sechsstufig redoxamphotere Verbindung. Angewandte Chemie, 1996, 108, 456-457.	1.6	13
189	Hexa-tert-butyltribenzodecacyclenyl: A Six-Stage Amphoteric Redox System. Angewandte Chemie International Edition in English, 1996, 35, 439-441.	4.4	33
190	Synergistic Enhancement of Hydrogen-Bonding and Charge-Transfer Interactions in a Crystal of an Anthranolâ€“Acridine Dyad Comprised of a Hydrogen-Bonded Chain Aggregate. Journal of Physical Chemistry C, 0, , .	1.5	0