

Takashi Kubo

List of Publications by Year in descending order

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all docs

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docs citations

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times ranked

4074
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#	ARTICLE	IF	CITATIONS
1	A Stable Neutral Hydrocarbon Radical: Synthesis, Crystal Structure, and Physical Properties of 2,5,8-Tri-tert-butyl-phenalenyl. <i>Journal of the American Chemical Society</i> , 1999, 121, 1619-1620.	6.6	439
2	Synthesis, Intermolecular Interaction, and Semiconductive Behavior of a Delocalized Singlet Biradical Hydrocarbon. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6564-6568.	7.2	312
3	Second Hyperpolarizability ($\hat{\chi}^3$) of Singlet Diradical System: Dependence of $\hat{\chi}^3$ on the Diradical Character. <i>Journal of Physical Chemistry A</i> , 2005, 109, 885-891.	1.1	296
4	Synthesis and Characterization of Teranthrene: A Singlet Biradical Polycyclic Aromatic Hydrocarbon Having Kekulé Structures. <i>Journal of the American Chemical Society</i> , 2010, 132, 11021-11023.	6.6	285
5	Strong Two-Photon Absorption of Singlet Diradical Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3544-3546.	7.2	261
6	Relationship between Third-Order Nonlinear Optical Properties and Magnetic Interactions in Open-Shell Systems: A New Paradigm for Nonlinear Optics. <i>Physical Review Letters</i> , 2007, 99, 033001.	2.9	258
7	Recent Progress in Quinoidal Singlet Biradical Molecules. <i>Chemistry Letters</i> , 2015, 44, 111-122.	0.7	253
8	Synthesis and Characterization of Quarteranthene: Elucidating the Characteristics of the Edge State of Graphene Nanoribbons at the Molecular Level. <i>Journal of the American Chemical Society</i> , 2013, 135, 1430-1437.	6.6	237
9	Phenalenyl-Based Open-Shell Polycyclic Aromatic Hydrocarbons. <i>Chemical Record</i> , 2015, 15, 218-232.	2.9	196
10	Singlet Diradical Character from Experiment. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 937-940.	2.1	181
11	Dinaphthopentalenes: Pentalene Derivatives for Organic Thin-Film Transistors. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7728-7732.	7.2	170
12	Alternating Covalent Bonding Interactions in a One-Dimensional Chain of a Phenalenyl-Based Singlet Biradical Molecule Having Kekulé Structures. <i>Journal of the American Chemical Society</i> , 2010, 132, 14421-14428.	6.6	162
13	The First Detection of a Clar's Hydrocarbon, 2,6,10-Tri-tert-Butyltriangulene: A Ground-State Triplet of Non-Kekulé Polynuclear Benzenoid Hydrocarbon. <i>Journal of the American Chemical Society</i> , 2001, 123, 12702-12703.	6.6	157
14	Evidence of π - and π -Dimerization in a Series of Phenalenyls. <i>Journal of the American Chemical Society</i> , 2014, 136, 18009-18022.	6.6	150
15	Singlet Biradical Character of Phenalenyl-Based Kekulé Hydrocarbon with Naphthoquinoid Structure. <i>Organic Letters</i> , 2007, 9, 81-84.	2.4	148
16	Resonance Balance Shift in Stacks of Delocalized Singlet Biradicals. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5482-5486.	7.2	140
17	Second hyperpolarizabilities of polycyclic aromatic hydrocarbons involving phenalenyl radical units. <i>Chemical Physics Letters</i> , 2006, 418, 142-147.	1.2	139
18	(Hyper)polarizability density analysis for open-shell molecular systems based on natural orbitals and occupation numbers. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 711-724.	0.5	125

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19	4,8,12,16-Tetra-tert-butyl-s-indaceno [1,2,3-cd:5,6,7-c [~] d [~]]diphenalene: A Four-Stage Amphoteric Redox System. <i>Journal of the American Chemical Society</i> , 1998, 120, 2018-2027.	6.6	123
20	Ambipolar organic field-effect transistors based on a low band gap semiconductor with balanced hole and electron mobilities. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	120
21	Four-Stage Amphoteric Redox Properties and Biradicaloid Character of Tetra-tert-butyl dicyclopenta [b;d]thieno [1,2,3-cd;5,6,7-c [~] d [~]]diphenalene. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6474-6479.	7.2	119
22	Hybrid Density Functional Theory Studies on the Magnetic Interactions and the Weak Covalent Bonding for the Phenalenyl Radical Dimeric Pair. <i>Journal of the American Chemical Society</i> , 2002, 124, 11122-11130.	6.6	118
23	An Extremely Simple Dibenzopentalene Synthesis from 2- [~] Bromo [~] - [~] ethynylbenzenes Using Nickel(0) Complexes: Construction of Its Derivatives with Various Functionalities. <i>Chemistry - A European Journal</i> , 2009, 15, 2653-2661.	1.7	113
24	Giant Enhancement of the Second Hyperpolarizabilities of Open-Shell Singlet Polyaromatic Diphenalenyl Diradicaloids by an External Electric Field and Donor [~] Acceptor Substitution. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1094-1098.	2.1	111
25	Aromaticity and π -bond covalency: prominent intermolecular covalent bonding interaction of a Kekul [~] hydrocarbon with very significant singlet biradical character. <i>Chemical Communications</i> , 2012, 48, 5629.	2.2	111
26	Theoretical study of third-order nonlinear optical properties in square nanographenes with open-shell singlet ground states. <i>Chemical Physics Letters</i> , 2008, 467, 120-125.	1.2	96
27	Fluxional π -Bonds of the 2,5,8-Trimethylphenalenyl Dimer: Direct Observation of the Sixfold π -Bond Shift via a π -Dimer. <i>Journal of the American Chemical Society</i> , 2016, 138, 4665-4672.	6.6	92
28	Signature of multiradical character in second hyperpolarizabilities of rectangular graphene nanoflakes. <i>Chemical Physics Letters</i> , 2010, 489, 212-218.	1.2	90
29	Origin of the enhancement of the second hyperpolarizability of singlet diradical systems with intermediate diradical character. <i>Journal of Chemical Physics</i> , 2006, 125, 074113.	1.2	88
30	Theoretical Study on the Second Hyperpolarizabilities of Phenalenyl Radical Systems Involving Acetylene and Vinylene Linkers: A Diradical Character and Spin Multiplicity Dependences. <i>Journal of Physical Chemistry A</i> , 2007, 111, 3633-3641.	1.1	84
31	Synthesis, Crystal Structure, and Physical Properties of Sterically Unprotected Hydrocarbon Radicals. <i>Journal of the American Chemical Society</i> , 2011, 133, 14240-14243.	6.6	84
32	Design and Synthesis of New Stable Fluorenyl-Based Radicals. <i>Journal of the American Chemical Society</i> , 2014, 136, 12784-12793.	6.6	83
33	Long-range corrected density functional theory study on static second hyperpolarizabilities of singlet diradical systems. <i>Journal of Chemical Physics</i> , 2010, 132, 094107.	1.2	82
34	Direct quantitative measurement of the C [~] -O [~] ... [~] ... [~] H [~] C bond by atomic force microscopy. <i>Science Advances</i> , 2017, 3, e1603258.	4.7	80
35	Theoretical study on third-order nonlinear optical properties in hexagonal graphene nanoflakes: Edge shape effect. <i>Chemical Physics Letters</i> , 2009, 477, 355-359.	1.2	74
36	Size dependences of the diradical character and the second hyperpolarizabilities in dicyclopenta-fused acenes: relationships with their aromaticity/antiaromaticity. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20575.	1.3	69

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37	Nonplanar Butterfly-Shaped Expanded Pyrrolopyrroles. <i>Chemistry - A European Journal</i> , 2016, 22, 16478-16488.	1.7	69
38	Electronic structure of a stable phenalenyl radical in crystalline state as studied by SQUID measurements, cw-ESR, and ¹³ C CP/MAS NMR spectroscopy. <i>Synthetic Metals</i> , 1999, 103, 2257-2258.	2.1	68
39	Biphenalenylidene: Isolation and Characterization of the Reactive Intermediate on the Decomposition Pathway of Phenalenyl Radical. <i>Journal of the American Chemical Society</i> , 2016, 138, 2399-2410.	6.6	64
40	Impact of Antidot Structure on the Multiradical Characters, Aromaticities, and Third-Order Nonlinear Optical Properties of Hexagonal Graphene Nanoflakes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17787-17795.	1.5	61
41	Second Hyperpolarizability of Zethrenes. <i>Computing Letters</i> , 2007, 3, 333-338.	0.5	60
42	Preparation and proton transport property of N,N'-diethyldithiooxamidatocopper coordination polymer. <i>Synthetic Metals</i> , 2005, 154, 89-92.	2.1	58
43	Three-dimensional graphene nanoribbons as a framework for molecular assembly and local probe chemistry. <i>Science Advances</i> , 2020, 6, eaay8913.	4.7	58
44	Stable Delocalized Singlet Biradical Hydrocarbon for Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2016, 26, 277-283.	7.8	57
45	Dual Association Modes of the 2,5-Tris(pentafluorophenyl)phenalenyl Radical. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1823-1829.	1.7	56
46	Multi-Stage Amphoteric Redox Hydrocarbons Based on a Phenalenyl Radical. <i>Bulletin of the Chemical Society of Japan</i> , 2004, 77, 1791-1801.	2.0	55
47	Remarkable two-photon absorption in open-shell singlet systems. <i>Journal of Chemical Physics</i> , 2009, 131, 114316.	1.2	54
48	Theoretical consideration of singlet open-shell character of polyperiacenes using Clar's aromatic sextet valence bond model and quantum chemical calculations. <i>AIP Conference Proceedings</i> , 2012, , .	0.3	54
49	Benzenoid Quinodimethanes. <i>Topics in Current Chemistry</i> , 2017, 375, 83.	3.0	53
50	Facile Synthesis and Lateral Expansion of Bisanthenes. <i>Chemistry Letters</i> , 2013, 42, 592-594.	0.7	52
51	Synthesis, Physical Properties, and Reactivity of Stable, Conjugated, Carbon-Centered Radicals. <i>Molecules</i> , 2019, 24, 665.	1.7	51
52	Theoretical Study on Second Hyperpolarizabilities of Singlet Diradical Square Planar Nickel Complexes Involving <i>o</i> -Semiquinonato Type Ligands. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8423-8429.	1.1	49
53	Third-order nonlinear optical properties of trigonal, rhombic and bow-tie graphene nanoflakes with strong structural dependence of diradical character. <i>Chemical Physics Letters</i> , 2009, 480, 278-283.	1.2	49
54	Pentaleno[1,2- <i>c</i> :4,5- <i>c'</i>]dithiophene Derivatives: First Synthesis, Properties, and a Molecular Structure. <i>Chemistry Letters</i> , 2010, 39, 300-301.	0.7	47

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55	Synthesis and Properties of a Highly Congested Tri(9-anthryl)methyl Radical. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16516-16519.	7.2	47
56	Open-shell Characters and Second Hyperpolarizabilities of One-dimensional Graphene Nanoflakes Composed of Trigonal Graphene Units. <i>ChemPhysChem</i> , 2011, 12, 1697-1707.	1.0	46
57	Third-Order Nonlinear Optical Properties of One-dimensional Open-shell Molecular Aggregates Composed of Phenalenyl Radicals. <i>Chemistry - A European Journal</i> , 2014, 20, 11129-11136.	1.7	46
58	First and second hyperpolarizabilities of donor-acceptor disubstituted diphenalenyl radical systems. <i>Chemical Physics Letters</i> , 2007, 443, 95-101.	1.2	43
59	Quantum Master Equation Approach to Singlet Fission Dynamics of Realistic/Artificial Pentacene Dimer Models: Relative Relaxation Factor Analysis. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22803-22815.	1.5	42
60	Unforeseen 1,2-Aryl Shift in Tetraarylpyrrolo[3,2- <i>b</i>]pyrroles Triggered by Oxidative Aromatic Coupling. <i>Organic Letters</i> , 2018, 20, 1517-1520.	2.4	42
61	Finite-Field Spin-Flip Configuration Interaction Calculation of the Second Hyperpolarizabilities of Singlet Diradical Systems. <i>Journal of Chemical Theory and Computation</i> , 2007, 3, 1699-1707.	2.3	41
62	Recent Advances in the Chemistry of Phenalenyl. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2016, 74, 1069-1077.	0.0	41
63	Giant electric field effect on the second hyperpolarizability of symmetric singlet diradical molecules. <i>Journal of Chemical Physics</i> , 2010, 133, 154302.	1.2	38
64	Hetero-dimers of Phenalenyls. <i>Chemistry - A European Journal</i> , 2015, 21, 18230-18236.	1.7	38
65	Intermolecular interaction effects on the second hyperpolarizability of open-shell singlet diphenalenyl radical dimer. <i>Chemical Physics Letters</i> , 2008, 454, 97-104.	1.2	36
66	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. <i>Tetrahedron</i> , 2010, 66, 8968-8973.	1.0	35
67	Biradicaloid character of phenalenyl-based aromatic compounds with a small HOMO-LUMO gap. <i>Polyhedron</i> , 2005, 24, 2522-2527.	1.0	34
68	Second hyperpolarizabilities ($\hat{\beta}^3$) of open-shell singlet one-dimensional systems: Intersite interaction effects on the average diradical character and size dependences of $\hat{\beta}^3$. <i>Chemical Physics Letters</i> , 2006, 432, 473-479.	1.2	34
69	Hexa- <i>tert</i> -butyltribenzodecacyclenyl: A Six-Stage Amphoteric Redox System. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 439-441.	4.4	33
70	Second hyperpolarizability of phenalenyl radical system involving acetylene π -conjugated bridge. <i>Chemical Physics Letters</i> , 2006, 420, 432-437.	1.2	33
71	Switchable Conformational Isomerization of an Overcrowded Tricyclic Aromatic Ene. <i>Journal of Organic Chemistry</i> , 2020, 85, 179-186.	1.7	33
72	Effective exchange integrals and chemical indices for a phenalenyl radical dimeric pair. <i>Chemical Physics Letters</i> , 2002, 358, 17-23.	1.2	31

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73	A new proton-conductive copper coordination polymer, (HOC ₃ H ₆) ₂ dtoaCu (dtoa = dithiooxamide). <i>Synthetic Metals</i> , 2003, 135-136, 283-284.	2.1	31
74	Third-Order Nonlinear Optical Properties of Open-Shell Supermolecular Systems Composed of Acetylene Linked Phenalenyl Radicals. <i>Journal of Physical Chemistry A</i> , 2011, 115, 8767-8777.	1.1	30
75	Synthesis and Properties of a Highly Congested Tri(9-anthryl)methyl Radical. <i>Angewandte Chemie</i> , 2018, 130, 16754-16757.	1.6	30
76	A facile synthesis of trinaphtho[3.3.3]propellane and its π -extension and the formation of a two-dimensional honeycomb molecular assembly. <i>Chemical Communications</i> , 2015, 51, 3801-3803.	2.2	28
77	Intermolecular Packing Effects on Singlet Fission in Oligorylene Dimers. <i>ACS Omega</i> , 2017, 2, 5095-5103.	1.6	27
78	Second Hyperpolarizabilities of Singlet Polycyclic Diphenalenyl Radicals: Effects of the Nature of the Central Heterocyclic Ring and Substitution to Diphenalenyl Rings. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9102-9110.	1.1	25
79	Experimental consideration of covalent bonding interactions in stacks of singlet biradicals having Kekulé structures. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 876-882.	0.9	25
80	Duality of Reactivity of a Biradicaloid Compound with an <i>o</i> -Quinodimethane Scaffold. <i>Journal of the American Chemical Society</i> , 2020, 142, 5408-5418.	6.6	25
81	Syntheses and Properties of Open-Shell π -Conjugated Molecules. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2235-2244.	2.0	25
82	Synthesis, Structure, and Cooperative Proton \rightarrow Electron Transfer Reaction of Bis(5,6-diethylpyrazinedithiolato)metal Complexes (M = Ni, Pd, Pt). <i>Inorganic Chemistry</i> , 2004, 43, 7301-7307.	1.9	24
83	Anthenes: Model systems for understanding the edge state of graphene nanoribbons. <i>Pure and Applied Chemistry</i> , 2014, 86, 497-505.	0.9	24
84	Isolation of a Hydrogen-Bonded Complex Based on the Anthranol/Anthroxyl Pair: Formation of a Hydrogen-Atom Self-Exchange System. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2402-2405.	7.2	24
85	Intramolecular Interaction, Photoisomerization, and Mechanical C-C Bond Dissociation of 1,2-Di(9-anthryl)benzene and Its Photoisomer: A Fundamental Moiety of Anthracene-Based π -Cluster Molecules. <i>Journal of Organic Chemistry</i> , 2016, 81, 2106-2112.	1.7	24
86	Synthesis of π -Extended Thiele π s and Chichibabin π s Hydrocarbons and Effect of the π -Congestion on Conformations and Electronic States. <i>Journal of the American Chemical Society</i> , 2022, 144, 7479-7488.	6.6	23
87	4,7,11,14,18,21-Hexa- <i>t</i> -butyltribenzodecacyclenyl Radical: A Six-Stage Amphoteric Redox System. <i>Bulletin of the Chemical Society of Japan</i> , 2001, 74, 1999-2009.	2.0	22
88	Tetra- <i>tert</i> -butyl- <i>as</i> -indaceno[1,2,3- <i>cd</i> :6,7,8- c^2d^2]diphenalene: a four-stage amphoteric redox system. <i>Tetrahedron Letters</i> , 2001, 42, 7997-8001.	0.7	22
89	Electronic Structure of a Stable Phenalenyl Radical as Studied by ESR/ENDOR, Paramagnetic NMR Spectroscopy and SQUID Measurements. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 334, 49-58.	0.3	21
90	Enhancement of Second Hyperpolarizabilities in Open-Shell Singlet Slipped-Stack Dimers Composed of Square Planar Nickel Complexes Involving <i>o</i> -Semiquinonato Type Ligands. <i>Journal of Physical Chemistry A</i> , 2011, 115, 1117-1124.	1.1	21

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91	Polarity-Dependent Isomerization of an Unsymmetrical Overcrowded Ethylene Promoted by Zwitterionic Contribution in the Twisted Isomer. <i>Chemistry - an Asian Journal</i> , 2018, 13, 510-514.	1.7	21
92	Quantum Master Equation Approach to Singlet Fission Dynamics in Pentacene Linear Aggregate Models: Size Dependences of Excitonic Coupling Effects. <i>Journal of Computational Chemistry</i> , 2019, 40, 89-104.	1.5	21
93	Synthesis of Anthracene-Based Cyclic Clusters and Elucidation of their Properties Originating from Congested Aromatic Planes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5400-5406.	7.2	21
94	The first non-Kekulé polynuclear aromatic high-spin hydrocarbon: Generation of a triangulene derivative and band structure calculation of triangulene-based high-spin hydrocarbons. <i>Synthetic Metals</i> , 2001, 121, 1824-1825.	2.1	20
95	Second hyperpolarizabilities of polycyclic diphenalenyl radicals: Effects of para/ortho-quinoid structures and central ring modification. <i>Chemical Physics Letters</i> , 2006, 429, 174-179.	1.2	20
96	Synthesis and Characterization of Acetylene-Linked Bisphenalenyl and Metallic-Like Behavior in Its Charge-Transfer Complex. <i>Chemistry - an Asian Journal</i> , 2007, 2, 1370-1379.	1.7	20
97	Long Carbon-Carbon Bonding beyond 2 Å... in Tris(9-fluorenylidene)methane. <i>Journal of the American Chemical Society</i> , 2021, 143, 14360-14366.	6.6	19
98	Investigating the edge state of graphene nanoribbons by a chemical approach: Synthesis and magnetic properties of zigzag-edged nanographene molecules. <i>Solid State Communications</i> , 2013, 175-176, 62-70.	0.9	18
99	Scanning Tunneling Microscopy Study of a Phenalenyl-Based Singlet Biradical on Graphite. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1515-1519.	1.5	16
100	Synthesis and electronic structure of bisanthrene: A small molecular-sized graphene with zigzag edges. <i>AIP Conference Proceedings</i> , 2012, , .	0.3	16
101	Biradicaloid Behavior of a Twisted Double Bond. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4729-4734.	2.1	16
102	Molecular and Spin Structures of a Through-Space Conjugated Triradical System. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	16
103	Syntheses and Unusual Segregated Alternated Hybrid Stacking Structure of Hydrogen-Bonded Charge-Transfer Complexes Composed of Bis[2,3-pyridinedithiolate]metal Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 1162-1170.	1.9	15
104	Electronic structure of delocalized singlet biradical Ph ₂ -IDPL solid film. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12570.	1.3	15
105	Stealth fast photoswitching of negative photochromic naphthalene-bridged phenoxyl-imidazolyl radical complexes. <i>Chemical Communications</i> , 2016, 52, 6797-6800.	2.2	15
106	Synthesis, crystal structure, and photophysical properties of 2,9-disubstituted peropyrene derivatives. <i>Canadian Journal of Chemistry</i> , 2017, 95, 432-444.	0.6	15
107	Solvent viscosity-dependent isomerization equilibrium of tetramethoxy-substituted bianthrone. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12209-12216.	1.3	15
108	Magnetic Properties of Iron(II) and Cobalt(II) Complexes of Tetrakis(2-pyridyl)methane. Spin-crossover Behavior in the Cobalt(II) Complex. <i>Chemistry Letters</i> , 2009, 38, 620-621.	0.7	14

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109	Synthesis and Identification of a Trimethylenemethane Derivative Extended with Three Pyridinyl Radicals. <i>Organic Letters</i> , 2010, 12, 836-839.	2.4	14
110	Anthracene-Attached Persistent Tricyclic Aromatic Hydrocarbon Radicals. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1830-1836.	1.7	14
111	Hexa-tert-butyltribenzodecacyclenyl: eine sechsstufig redoxamphotere Verbindung. <i>Angewandte Chemie</i> , 1996, 108, 456-457.	1.6	13
112	Theoretical study on the second hyperpolarizability of open-shell singlet one-dimensional systems with a charged defect. <i>Chemical Physics Letters</i> , 2008, 451, 111-115.	1.2	13
113	One- and two-photon absorptions in open-shell singlet systems. <i>AIP Conference Proceedings</i> , 2012, , .	0.3	13
114	Optical nature of non-substituted triphenylmethyl cation: Crystalline state emission, thermochromism, and phosphorescence. <i>Aggregate</i> , 2021, 2, e126.	5.2	13
115	CASCI-DFT study of the phenalenyl radical system. <i>Polyhedron</i> , 2007, 26, 2313-2319.	1.0	12
116	Synthesis of Sexithiophene-Bridged Cage Compound: A New Class of Three-Dimensionally Expanded Oligothiophenes. <i>Organic Letters</i> , 2014, 16, 5870-5873.	2.4	12
117	Synthesis and Functionalization of 3,3-Bis(spirodienone)-Bridged 2,2-Bithiophene: A New Building Block for Redox-Active Molecular Switching Materials. <i>Organic Letters</i> , 2008, 10, 3837-3840.	2.4	11
118	Elucidation of Intramolecular Through-Space Electronic Communication in a Propeller-Shaped Molecule. <i>ChemPlusChem</i> , 2017, 82, 1006-1009.	1.3	11
119	Tetrahedral Oligothiophenes; Synthesis, X-ray Analysis, and Optoelectronic Properties of Highly Symmetrical, 3-Branched Oligothiophenes. <i>Chemistry - an Asian Journal</i> , 2008, 3, 2024-2032.	1.7	10
120	Direct observation of energy band development in a one-dimensional biradical molecular chain by ultraviolet photoemission spectroscopy. <i>Applied Physics Letters</i> , 2013, 102, 134103.	1.5	10
121	Low-Temperature Removal of Dissociated Bromine by Silicon Atoms for an On-Surface Ullmann Reaction. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19675-19680.	1.5	10
122	Electron donor solvent effects on the (hyper)polarizabilities of a singlet diradical molecule involving a boron atom. <i>Chemical Physics Letters</i> , 2009, 477, 309-314.	1.2	9
123	Sterically Frustrated Aromatic Enes with Various Colors Originating from Multiple Folded and Twisted Conformations in Crystal Polymorphs**. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	9
124	A new hydrogen-bonded charge-transfer complex [Ni(Hpydt) ₂]TNAP: Synthesis, structure and electrical conductivity. <i>Inorganic Chemistry Communication</i> , 2007, 10, 860-862.	1.8	8
125	Production of multicharged iron ions with inductively heated vapor source. <i>Review of Scientific Instruments</i> , 2006, 77, 03A335.	0.6	7
126	Shape-persistent, double-helically twisted macrocycles with two quaterphenyl moieties: Synthesis, structure and physicochemical properties for a chiral sensor. <i>Comptes Rendus Chimie</i> , 2009, 12, 403-411.	0.2	7

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127	Control of third-order nonlinear optical properties of singlet diradical square planar metal complexes involving o-semiquinonato type ligands. <i>Synthetic Metals</i> , 2009, 159, 2416-2418.	2.1	7
128	Hydrogen-Bonded Quartz-type Network of Diprotonated Tetrakis(4-pyridyl)methane Dications. <i>Crystal Growth and Design</i> , 2010, 10, 2854-2856.	1.4	7
129	Voltammetric and in situ frequency modulation atomic force microscopic investigation of phenalenyl derivatives adsorbed on graphite surfaces. <i>Carbon</i> , 2014, 77, 184-190.	5.4	7
130	Anthroxyl-based biradical: toward the construction of highly stable multi-spin systems. <i>Organic Chemistry Frontiers</i> , 2017, 4, 828-833.	2.3	7
131	Synthesis and Electronic Properties of Triperylene[3.3.3]Propellanes: Towards Two-Dimensional Electronic Structures. <i>ChemPlusChem</i> , 2019, 84, 599-602.	1.3	7
132	Synthesis, properties and chemical modification of a persistent triisopropylsilylethynyl substituted tri(9-anthryl)methyl radical. <i>Chemical Communications</i> , 2022, 58, 3306-3309.	2.2	7
133	Charge transfer salts of phenalenylium derivatives having alkylamino groups. <i>Synthetic Metals</i> , 2003, 135-136, 617-618.	2.1	6
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