

Josef Michl

List of Publications by Year in descending order

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286
papers

18,512
citations

18436

62
h-index

14702

127
g-index

301
all docs

301
docs citations

301
times ranked

9649
citing authors

#	ARTICLE	IF	CITATIONS
1	Polysilane high polymers. <i>Chemical Reviews</i> , 1989, 89, 1359-1410.	23.0	1,728
2	Singlet Fission. <i>Chemical Reviews</i> , 2010, 110, 6891-6936.	23.0	1,639
3	Artificial Molecular Rotors. <i>Chemical Reviews</i> , 2005, 105, 1281-1376.	23.0	1,119
4	Recent Advances in Singlet Fission. <i>Annual Review of Physical Chemistry</i> , 2013, 64, 361-386.	4.8	862
5	Molecular Rods. 1. Simple Axial Rods. <i>Chemical Reviews</i> , 1999, 99, 1863-1934.	23.0	516
6	Neutral and Charged Biradicals, Zwitterions, Funnel in S1, and Proton Translocation: Their Role in Photochemistry, Photophysics, and Vision. <i>Angewandte Chemie International Edition in English</i> , 1987, 26, 170-189.	4.4	396
7	Singlet Fission for Dye-Sensitized Solar Cells: Can a Suitable Sensitizer Be Found?. <i>Journal of the American Chemical Society</i> , 2006, 128, 16546-16553.	6.6	375
8	Magnetic circular dichroism of cyclic π -electron systems. 1. Algebraic solution of the perimeter model for the A and B terms of high-symmetry systems with a $(4N + 2)$ -electron $[n]$ annulene perimeter. <i>Journal of the American Chemical Society</i> , 1978, 100, 6801-6811.	6.6	316
9	Molecular Rotors and Motors: Recent Advances and Future Challenges. <i>ACS Nano</i> , 2009, 3, 1042-1048.	7.3	277
10	Bicyclo[1.1.1]pentanes, $[n]$ staffanes, [1.1.1]Propellanes, and Tricyclo[2.1.0.0 ^{2,5}]pentanes. <i>Chemical Reviews</i> , 2000, 100, 169-234.	23.0	266
11	Chemistry of the Carba-closo-dodecaborate($\hat{\text{a}}^{\text{--}}$) Anion, CB11H12 ⁻ . <i>Chemical Reviews</i> , 2006, 106, 5208-5249.	23.0	243
12	High Triplet Yield from Singlet Fission in a Thin Film of 1,3-Diphenylisobenzofuran. <i>Journal of the American Chemical Society</i> , 2010, 132, 16302-16303.	6.6	236
13	The Role of Chromophore Coupling in Singlet Fission. <i>Accounts of Chemical Research</i> , 2013, 46, 1290-1299.	7.6	235
14	Maximizing Singlet Fission in Organic Dimers: Theoretical Investigation of Triplet Yield in the Regime of Localized Excitation and Fast Coherent Electron Transfer. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14168-14177.	1.2	219
15	Magnetic circular dichroism of aromatic molecules. <i>Tetrahedron</i> , 1984, 40, 3845-3934.	1.0	210
16	Update 1 of: Chemistry of the Carba-closo-dodecaborate($\hat{\text{a}}^{\text{--}}$) Anion, CB11H12 ⁻ . <i>Chemical Reviews</i> , 2013, 113, PR179-PR233.	23.0	184
17	Dipolar and Nonpolar Altitudinal Molecular Rotors Mounted on an Au(111) Surface. <i>Journal of the American Chemical Society</i> , 2004, 126, 4540-4542.	6.6	182
18	Toward a molecular-size tinkertoy construction set. Preparation of terminally functionalized $[n]$ staffanes from [1.1.1]propellane. <i>Journal of the American Chemical Society</i> , 1992, 114, 601-620.	6.6	165

#	ARTICLE	IF	CITATIONS
19	Magnetic circular dichroism of cyclic π -electron systems. 2. Algebraic solution of the perimeter model for the B terms of systems with a $(4N + 2)$ -electron $[n]$ annulene perimeter. Journal of the American Chemical Society, 1978, 100, 6812-6818.	6.6	153
20	Dodecamethylcarba-closo-dodecaboranyl (CB11Me12 ϕ), a Stable Free Radical. Journal of the American Chemical Society, 1996, 118, 10902-10903.	6.6	153
21	Conformations of Linear Chains. Systematics and Suggestions for Nomenclature. Accounts of Chemical Research, 2000, 33, 821-823.	7.6	149
22	Electronic excitation in poly(di-n-hexylsilane). Journal of the American Chemical Society, 1986, 108, 7438-7439.	6.6	135
23	Dodecamethylcarba-closo-dodecaborate($\hat{\sim}$) Anion, CB11Me12 \cdot . Journal of the American Chemical Society, 1996, 118, 3313-3314.	6.6	135
24	Rigid-rod oligo-p-carboranes for molecular tinkertoys. An inorganic Langmuir-Blodgett film with a functionalized outer surface. Journal of the American Chemical Society, 1992, 114, 9721-9722.	6.6	132
25	$[n]$ Staffanes: a molecular-size "Tinkertoy" construction set for nanotechnology. Preparation of end-functionalized telomers and a polymer of [1.1.1]propellane. Journal of the American Chemical Society, 1988, 110, 5225-5226.	6.6	131
26	A gas-flow model for the sputtering of condensed gases. Nuclear Instruments & Methods in Physics Research B, 1987, 22, 480-490.	0.6	130
27	Mechanism of Singlet Fission in Thin Films of 1,3-Diphenylisobenzofuran. Journal of the American Chemical Society, 2014, 136, 7363-7373.	6.6	130
28	Singlet Exciton Fission for Solar Cell Applications: Energy Aspects of Interchromophore Coupling. Journal of Physical Chemistry B, 2010, 114, 14223-14232.	1.2	126
29	Toward a Hexagonal Grid Polymer: $\hat{\sim}$ Synthesis, Coupling, and Chemically Reversible Surface-Pinning of the Star Connectors, 1,3,5-C ₆ H ₃ (CB10H10CX) ₃ . Journal of the American Chemical Society, 1997, 119, 3907-3917.	6.6	122
30	Toward Designed Singlet Fission: Solution Photophysics of Two Indirectly Coupled Covalent Dimers of 1,3-Diphenylisobenzofuran. Journal of Physical Chemistry B, 2013, 117, 4680-4695.	1.2	117
31	Dimethylsilylene, (CH ₃) ₂ Si. Journal of the American Chemical Society, 1979, 101, 5427-5428.	6.6	111
32	Spin $\hat{\sim}$ Orbit Coupling in Biradicals. 1. The 2-Electrons-in-2-Orbitals Model Revisited. Journal of the American Chemical Society, 1996, 118, 3568-3579.	6.6	109
33	Synthesis of 12-Substituted 1-Carba-closo-dodecaborate Anions and First Hyperpolarizability of the 12-C ₇ H ₆ +CB11H11-Ylide. Journal of the American Chemical Society, 1999, 121, 3122-3126.	6.6	107
34	Coordination-Driven Face-Directed Self-Assembly of Trigonal Prisms. Face-Based Conformational Chirality. Journal of the American Chemical Society, 2008, 130, 7620-7628.	6.6	100
35	Search for a Small Chromophore with Efficient Singlet Fission: Biradicaloid Heterocycles. Journal of the American Chemical Society, 2012, 134, 14624-14631.	6.6	99
36	Molecular Dynamics Simulation of an Electric Field Driven Dipolar Molecular Rotor Attached to a Quartz Glass Surface. Journal of the American Chemical Society, 2003, 125, 11900-11910.	6.6	98

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37	Toward Designed Singlet Fission: Electronic States and Photophysics of 1,3-Diphenylisobenzofuran. <i>Journal of Physical Chemistry A</i> , 2010, 114, 1457-1473.	1.1	98
38	Two-dimensional supramolecular chemistry with molecular Tinkertoys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4788-4792.	3.3	94
39	Surface-mounted altitudinal molecular rotors in alternating electric field: Single-molecule parametric oscillator molecular dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14175-14180.	3.3	92
40	Crystalline Arrays of Pairs of Molecular Rotors: Correlated Motion, Rotational Barriers, and Space-Inversion Symmetry Breaking Due to Conformational Mutations. <i>Journal of the American Chemical Society</i> , 2013, 135, 9366-9376.	6.6	92
41	Prediction of structural and environmental effects on the S1 \rightarrow S0 energy gap and jump probability in double-bond cis \leftrightarrow trans photoisomeriz. <i>Chemical Physics Letters</i> , 1984, 104, 440-443.	1.2	88
42	A practical photochemical synthesis of bicyclo[1.1.1]pentane-1,3-dicarboxylic acid. <i>Journal of Organic Chemistry</i> , 1988, 53, 4593-4594.	1.7	87
43	Captodatively Stabilized Biradicaloids as Chromophores for Singlet Fission. <i>Journal of the American Chemical Society</i> , 2015, 137, 165-172.	6.6	87
44	Conformers of Saturated Chains: Matrix Isolation, Structure, IR and UV Spectra of $\text{C}_{10}\text{H}_{18}$. <i>Chemistry - A European Journal</i> , 1996, 2, 529-538.	1.7	85
45	Crystal Structure of $\text{Bu}_3\text{Sn}(\text{C}_{11}\text{Me}_{12})$. <i>Journal of the American Chemical Society</i> , 2000, 122, 10253-10254.	6.6	85
46	Two Thin Film Polymorphs of the Singlet Fission Compound 1,3-Diphenylisobenzofuran. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12121-12132.	1.5	85
47	Inclusion Compound Based Approach to Arrays of Artificial Dipolar Molecular Rotors. A Surface Inclusion. <i>Journal of the American Chemical Society</i> , 2012, 134, 10122-10131.	6.6	84
48	Secondary ion mass spectrometry of low-temperature solids. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1983, 53, 255-272.	1.3	83
49	Preparation of [closo-C $\text{B}_{11}\text{H}_{12}$]- by Dichlorocarbene Insertion Into [nido-B $\text{11}\text{H}_{14}$]-. <i>Collection of Czechoslovak Chemical Communications</i> , 2001, 66, 1238-1249.	1.0	78
50	$\text{LiC}_{11}\text{Me}_{12}$: A Catalyst for Pericyclic Rearrangements. <i>Organic Letters</i> , 2001, 3, 2375-2377.	2.4	76
51	An Experimental Test of C \rightarrow N Bond Twisting in the TICT State: Syn \leftrightarrow Anti Photoisomerization in 2-(N-Methyl-N-isopropylamino)-5-cyanopyridine. <i>Journal of the American Chemical Society</i> , 2002, 124, 2406-2407.	6.6	76
52	THE ROLE OF BIRADICALOID GEOMETRIES IN ORGANIC PHOTOCHEMISTRY. <i>Photochemistry and Photobiology</i> , 1977, 25, 141-154.	1.3	73
53	Magnetic circular dichroism of cyclic π -electron systems. 3. Classification of cyclic π -chromophores with a $(4N + 2)$ -electron $[n]$ annulene perimeter and general rules for substituent effects on the MCD spectra of soft chromophores. <i>Journal of the American Chemical Society</i> , 1978, 100, 6819-6824.	6.6	73
54	^{13}C Dipolar NMR Spectrum of Matrix-Isolated o-Benzyne-1,2- $^{13}\text{C}_2$. <i>Journal of the American Chemical Society</i> , 1996, 118, 846-852.	6.6	72

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55	Photophysics and potential-energy hypersurfaces of permethylated oligosilanes. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 1653.	1.7	71
56	Recent experimental and theoretical aspects of the conformational dependence of UV absorption of short chain peralkylated oligosilanes. <i>Journal of Organometallic Chemistry</i> , 2003, 685, 9-14.	0.8	71
57	[2]Staffane Rod as a Molecular Rack for Unraveling Conformer Properties: A Proposed Singlet Excitation Localization Isomerism in anti,anti,anti-Hexasilanes. <i>Journal of the American Chemical Society</i> , 1997, 119, 6682-6683.	6.6	69
58	The Sixteen CB ₁₁ H _n Me _{12-n} -Anions with Fivefold Substitution Symmetry: A Anodic Oxidation and Electronic Structure. <i>Journal of the American Chemical Society</i> , 2007, 129, 12960-12980.	6.6	68
59	Toward a Square-Grid Polymer: A Synthesis and Structure of Pedestal-Mounted Tetragonal Star Connectors, C ₄ R ₄ CoC ₅ Y ₅ . <i>Organometallics</i> , 1997, 16, 3401-3412.	1.1	66
60	Photoisomerization of dimethylsilylene to 2-silapropene and thermal reversion to dimethylsilylene. <i>Journal of the American Chemical Society</i> , 1981, 103, 1845-1846.	6.6	64
61	Cluster ions from keV-energy ion and atom bombardment of frozen gases. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1986, 14, 378-391.	0.6	63
62	Conformational effects on π -conjugation. UV and IR spectra of matrix-isolated trans- and gauche-n-Si ₄ Me ₁₀ . <i>Chemical Physics Letters</i> , 1992, 198, 400-405.	1.2	63
63	Towards an artificial leaf?. <i>Nature Chemistry</i> , 2011, 3, 268-269.	6.6	63
64	Gauche, Ortho, and Anti Conformations of Saturated A ₄ X ₁₀ Chains: When Will All Six Conformers Exist?. <i>Journal of the American Chemical Society</i> , 1998, 120, 573-582.	6.6	62
65	The dielectric response of chloromethylsilyl and dichloromethylsilyl dipolar rotors on fused silica surfaces. <i>Nanotechnology</i> , 2002, 13, 533-540.	1.3	62
66	Metal Cation-Methyl Interactions in CB ₁₁ Me ₁₂ -Salts of Me ₃ Ge ⁺ , Me ₃ Sn ⁺ , and Me ₃ Pb ⁺ . <i>Journal of the American Chemical Society</i> , 2004, 126, 12033-12046.	6.6	62
67	Singlet excitation in polysilanes: Ab initio calculations on oligosilane models. <i>Polyhedron</i> , 1991, 10, 1265-1284.	1.0	61
68	The Explosive ∞ -Inert Anion CB ₁₁ (CF ₃) ₁₂ ⁻ . <i>Journal of the American Chemical Society</i> , 2000, 122, 10255-10256.	6.6	61
69	Anti, Ortho, and Gauche Conformers of Perfluoro-n-butane: A Matrix-Isolation IR Spectra and Calculations. <i>The Journal of Physical Chemistry</i> , 1996, 100, 3418-3429.	2.9	60
70	Conformational effects in UV absorption spectra of tetrasilanes. <i>Chemical Physics Letters</i> , 1997, 270, 500-505.	1.2	60
71	Conformational Dependence of π -Electron Delocalization in Linear Chains: Permethylated Oligosilanes. <i>Chemistry - A European Journal</i> , 2009, 15, 8504-8517.	1.7	60
72	Fluorinated graphenes as advanced biosensors - effect of fluorine coverage on electron transfer properties and adsorption of biomolecules. <i>Nanoscale</i> , 2016, 8, 12134-12142.	2.8	60

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73	Development of a TDDFT-Based Protocol with Local Hybrid Functionals for the Screening of Potential Singlet Fission Chromophores. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 4984-4996.	2.3	57
74	IR transition moment directions in matrix-isolated dimethylsilylene and 1-methylsilylene. <i>Journal of the American Chemical Society</i> , 1986, 108, 671-677.	6.6	55
75	Self-assembled monolayers of parent and derivatized [n]staffane-3,3(n-1)-dithiols on polycrystalline gold electrodes. <i>Journal of the American Chemical Society</i> , 1992, 114, 9943-9952.	6.6	55
76	Friction in Carborane-Based Molecular Rotors Driven by Gas Flow or Electric Field: Classical Molecular Dynamics. <i>ACS Nano</i> , 2012, 6, 1901-1914.	7.3	54
77	Photocurrent Enhanced by Singlet Fission in a Dye-Sensitized Solar Cell. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2286-2293.	4.0	54
78	The effect of solvent environment on molecular electronic transition moment directions: Symmetry lowering in pyrene. <i>Journal of Chemical Physics</i> , 1983, 78, 3372-3381.	1.2	52
79	Surface Inclusion of Unidirectional Molecular Motors in Hexagonal Tris(<i>o</i> -phenylene)cyclotriphosphazene. <i>Journal of the American Chemical Society</i> , 2017, 139, 10486-10498.	6.6	52
80	Synthesis of doubly bridgehead substituted bicyclo[1.1.1]pentanes. Radical transformations of bridgehead halides and carboxylic acids. <i>Journal of Organic Chemistry</i> , 1991, 56, 307-316.	1.7	51
81	Optimized ladder C and ladder H models for sigma conjugation: chain segmentation in polysilanes. <i>Journal of Physical Organic Chemistry</i> , 2002, 15, 490-498.	0.9	51
82	Cation- π Interactions in the Solid State: Crystal Structures of M+(benzene) ₂ CB ₁₁ Me ₁₂ - (M = Tl, Cs, Rb,) Tj ETQq0 0 0 rgBT /Overlock 1001-1012.	1.0	47
83	Electronic States of Linear Tetrasilane and Polysilanes. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 149-159.	0.3	46
84	The Raman spectrum of matrix-isolated cyclobutadiene. Evidence for environmental hindrance to heavy-atom tunneling?. <i>Journal of the American Chemical Society</i> , 1991, 113, 692-694.	6.6	45
85	Models of polysilane high polymers. 1. Singlet photophysics of linear permethylhexadecasilane (Si ₁₆ Me ₃₄). <i>Journal of the American Chemical Society</i> , 1992, 114, 6301-6310.	6.6	45
86	Synthesis and Structure of Trigonal and Tetragonal Connectors for a "Tinkertoy" Construction Set. <i>Journal of Organic Chemistry</i> , 2002, 67, 5476-5485.	1.7	45
87	Matrix-Isolation IR and UV Spectra of Si ₃ H ₈ and Si ₄ H ₁₀ : Isomers and Conformers of Oligosilanes. <i>The Journal of Physical Chemistry</i> , 1996, 100, 8681-8691.	2.9	44
88	MCD of Nonaromatic Cyclic π -Electron Systems. 3.1 The Perimeter Model for Low-Symmetry "Unaromatic" and "Ambiaromatic" Molecules Derived from 4N-Electron [n]Annulenes. <i>Journal of Physical Chemistry A</i> , 2000, 104, 7762-7775.	1.1	43
89	One-Electron Reduction of an "Extended Viologen" Phenylene-bis-4,4'-(-1-aryl-2,6-diphenylpyridinium) Dication. <i>Journal of Physical Chemistry A</i> , 2005, 109, 10862-10869.	1.1	43
90	HCB ₁₁ (CF ₃) _n F _{11-n} ⁻ : Inert Anions with High Anodic Oxidation Potentials. <i>Journal of the American Chemical Society</i> , 2011, 133, 4123-4131.	6.6	43

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91	Models for polysilane high polymers. 2. Photophysics of linear permethylhexasilane: a low-lying Franck-Condon forbidden excited singlet state. <i>Journal of the American Chemical Society</i> , 1992, 114, 8186-8190.	6.6	42
92	Packing Guidelines for Optimizing Singlet Fission Matrix Elements in Noncovalent Dimers. <i>Journal of the American Chemical Society</i> , 2017, 139, 15572-15575.	6.6	41
93	Voltammetry in benzene using lithium dodecamethylcarba-closo-dodecaborate, LiCB ₁₁ Me ₁₂ , as a supporting electrolyte: reduction of Ag ⁺ . <i>Electrochimica Acta</i> , 1998, 44, 103-108.	2.6	40
94	Partially Bridge-Fluorinated Dimethyl Bicyclo[1.1.1]pentane-1,3-dicarboxylates: Preparation and NMR Spectra. <i>Journal of the American Chemical Society</i> , 2001, 123, 3484-3492.	6.6	40
95	Guidance for Mutual Disposition of Chromophores for Singlet Fission. <i>Israel Journal of Chemistry</i> , 2016, 56, 96-106.	1.0	40
96	Structure and photophysics of indigoids for singlet fission: Cibalackrot. <i>Journal of Chemical Physics</i> , 2019, 151, 184903.	1.2	40
97	Localization of singlet excitation in short silicon chains, Si ₂ Me ₆ to Si ₆ Me ₁₄ . <i>Chemical Physics Letters</i> , 1993, 213, 158-162.	1.2	39
98	Toward Self-Assembled Surface-Mounted Prismatic Altitudinal Rotors. A Test Case: Molecular Rectangle. <i>Organic Letters</i> , 2004, 6, 2093-2096.	2.4	39
99	Toward Self-Assembled Surface-Mounted Prismatic Altitudinal Rotors. A Test Case: Trigonal and Tetragonal Prisms. <i>Journal of Organic Chemistry</i> , 2005, 70, 5442-5448.	1.7	39
100	Secondary ion mass spectrometry of small-molecule solids at cryogenic temperatures. 3. Nitrogen oxides. <i>Journal of the American Chemical Society</i> , 1982, 104, 1834-1842.	6.6	38
101	Relationship of bonding to electronic spectra. Comments. <i>Accounts of Chemical Research</i> , 1990, 23, 127-128.	7.6	38
102	Transoid, Ortho, and Gauche Conformers of n-Si ₄ Cl ₁₀ : Raman and Mid-IR Matrix-Isolation Spectra. <i>Journal of Physical Chemistry A</i> , 2000, 104, 3829-3841.	1.1	38
103	Altitudinal Surface-Mounted Molecular Rotors. , 0, , 63-97.		38
104	Singlet Fission Rate: Optimized Packing of a Molecular Pair. Ethylene as a Model. <i>Journal of the American Chemical Society</i> , 2019, 141, 17729-17743.	6.6	38
105	MCD of non-aromatic cyclic π -electron systems. Part 1. The perimeter model for antiaromatic 4N-electron [n]annulene biradicals. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 1101-1118.	0.9	37
106	CB ₁₁ Me ₁₁ Boronium Ylides: Carba-closo-dodecaboranes with a Naked Boron Vertex. <i>Journal of the American Chemical Society</i> , 2006, 128, 6089-6100.	6.6	37
107	Low temperature ¹³ C NMR magnetic resonance in solids 4. Cyclopropane, bicyclo[1.1.0]butane and [1.1.1]propellane. <i>Theoretica Chimica Acta</i> , 1985, 68, 421-430.	0.9	36
108	"Mixed staffanes" as intermediate-length staffs for molecular-size tinkertoys. Parent hydrocarbons and terminal diiodides combining bicyclo[1.1.1]pentane with cubane or bicyclo[2.2.2]octane units. <i>Journal of Organic Chemistry</i> , 1990, 55, 1013-1016.	1.7	35

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109	Conformers of n-SiMe ₂ : A Comparison of ab Initio and Molecular Mechanics Methods. <i>Journal of Physical Chemistry A</i> , 1999, 103, 2184-2196.	1.1	35
110	Li ⁺ Catalysis and Other New Methodologies for the Radical Polymerization of Less Activated Olefins. <i>Chemical Reviews</i> , 2016, 116, 771-785.	23.0	35
111	IR polarization directions in s-trans-1,3-butadiene and the average topochemistry of the s-cis to s-trans photoisomerization in matrix isolation. <i>Journal of the American Chemical Society</i> , 1991, 113, 2910-2919.	6.6	34
112	The Gauche, Ortho, and Anti Conformers of Perfluoro-n-butane: Matrix-Isolation IR Spectra. <i>Journal of the American Chemical Society</i> , 1995, 117, 6378-6379.	6.6	34
113	Synthesis of the Isolable Biradicals (CH ₃) ₁₁ C [•] -C [•] (BCH ₃) ₁₁ and trans-(CH ₃) ₁₁ C [•] CHCH [•] C(BCH ₃) ₁₁ . <i>Journal of Organic Chemistry</i> , 2007, 72, 2351-2356.	1.7	34
114	Excitation Localization/Delocalization Isomerism in a Strongly Coupled Covalent Dimer of 1,3-Diphenylisobenzofuran. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3473-3483.	1.1	34
115	Singlet Fission: Optimization of Chromophore Dimer Geometry. <i>Advances in Quantum Chemistry</i> , 2017, 75, 175-227.	0.4	34
116	How Predictable Are IR Transition Moment Directions? Vibrational Transitions in Propene and Deuterated Propenes. <i>Journal of the American Chemical Society</i> , 1996, 118, 10275-10284.	6.6	33
117	Conformational Effects in Photoelectron Spectra of Tetrasilanes. <i>Journal of Physical Chemistry A</i> , 1997, 101, 4579-4586.	1.1	33
118	Preparation, Structure, and Properties of Symmetrically 1,3-Difunctionalized Penta- and Hexafluorobicyclo[1.1.1]pentanes. <i>Journal of the American Chemical Society</i> , 1997, 119, 12750-12761.	6.6	33
119	Peralkylated Tetrasilanes: Conformational Dependence of the Photoelectron Spectrum. <i>Journal of Physical Chemistry A</i> , 2002, 106, 2369-2373.	1.1	33
120	Magnetic Circular Dichroism of Nonaromatic Cyclic π -Electron Systems. 5.1 Biphenylene and Its Aza Analogues. <i>Journal of Physical Chemistry A</i> , 2004, 108, 3225-3234.	1.1	32
121	Singlet Fission and Excimer Formation in Disordered Solids of Alkyl-Substituted 1,3-Diphenylisobenzofurans. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8596-8603.	1.1	32
122	Secondary ion mass spectrometry of small-molecule solids at cryogenic temperatures. IV [1]. Carbon dioxide, carbonyl sulfide and carbon disulfide. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1982, 43, 41-51.	1.3	31
123	[n]Staffanes: the parent hydrocarbons. <i>Journal of the American Chemical Society</i> , 1989, 111, 7262-7264.	6.6	31
124	Magnetic circular dichroism of non-aromatic cyclic π -electron systems. 2. [1] The perimeter model for high-symmetry π -unaromatic TM and π -ambiaromatic TM molecules derived from 4N-electron [n]annulenes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1999, 55, 585-606.	2.0	31
125	A New Type of Intermediate, C+(BCH ₃) ₁₁ - $\dot{\sigma}$ C(BCH ₃) ₁₁ , in a Grob Fragmentation Coupled with Intramolecular Hydride Transfer. A Nonclassical Carbocation Ylide or a Carbenoid?. <i>Journal of the American Chemical Society</i> , 2004, 126, 15795-15801.	6.6	31
126	Microwave-Assisted Alkylation of [CB ₁₁ H ₁₂] ⁺ and Related Anions. <i>Inorganic Chemistry</i> , 2010, 49, 10247-10254.	1.9	31

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127	Secondary ion mass spectrometry of molecular solids: a source of cluster ions. <i>Journal of the American Chemical Society</i> , 1981, 103, 1564-1565.	6.6	30
128	1,3-Diphenylisobenzofuran: a Model Chromophore for Singlet Fission. <i>Topics in Current Chemistry</i> , 2017, 375, 80.	3.0	30
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