

# Josef Michl

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

289  
papers

16,070  
citations

60  
h-index

118  
g-index

301  
ext. papers

17,198  
ext. citations

9.2  
avg, IF

6.84  
L-index

#	Paper	IF	Citations
289	Increased crystallite size in thin films of C60 and p-terphenyls via PDMS-assisted crystallization. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 5657-5665	7.1	
288	Competing Singlet Fission and Excimer Formation in Solid Fluorinated 1,3-Diphenylisobenzofurans. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 27058-27071	3.8	2
287	Autobiography of Josef Michl. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 1802-1808	2.8	
286	Alkanes versus Oligosilanes: Conformational Effects on Electron Delocalization. <i>Journal of the American Chemical Society</i> , <b>2021</b> ,	16.4	1
285	Mechanical vs Electronic Strain: Calculated Configurations of Alkynyl-Pt(II)-Phosphine Macrocycles. <i>Organometallics</i> , <b>2020</b> , 39, 1195-1201	3.8	1
284	Electronic States of 2,3-Diamino-1,4-naphthoquinone and Its N-Alkylated Derivatives. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 60-69	3.8	7
283	Singlet Fission in Thin Solid Films of Bis(thienyl)diketopyrrolopyrroles. <i>ChemPlusChem</i> , <b>2020</b> , 85, 2689-2703	2.8	4
282	CBH and Related Carborenes. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 12453-12460	5.1	1
281	Singlet Fission Rate: Optimized Packing of a Molecular Pair. Ethylene as a Model. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 17729-17743	16.4	24
280	Bridge-Chlorinated Bicyclo[1.1.1]pentane-1,3-dicarboxylic Acids. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 2448-2461	4.2	12
279	Bulk Inclusions of Double Pyridazine Molecular Rotors in Hexagonal Tris(o-phenylene)cyclotriphosphazene. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 8449-8467	4.2	10
278	Unconventional Solar Energy: Singlet Fission. <i>Molecular Frontiers Journal</i> , <b>2019</b> , 03, 84-91	0.9	10
277	Molecular Packing and Singlet Fission: The Parent and Three Fluorinated 1,3-Diphenylisobenzofurans. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 1947-1953	6.4	17
276	Preparation and redox properties of fluorinated 1,3-diphenylisobenzofurans. <i>Electrochimica Acta</i> , <b>2019</b> , 321, 134659	6.7	3
275	Optimal arrangements of 1,3-diphenylisobenzofuran molecule pairs for fast singlet fission. <i>Photochemical and Photobiological Sciences</i> , <b>2019</b> , 18, 2112-2124	4.2	9
274	Effect of Conformation on Electron Localization and Delocalization in Infinite Helical Chains [X(CH)] (X = Si, Ge, Sn, and Pb). <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 13101-13113	16.4	10
273	The Impact of Huge Structural Changes on Electron Transfer and Measurement of Redox Potentials: Reduction of -12-Carborane. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 9668-9676	3.4	2

272	Optimal Arrangements of Tetracene Molecule Pairs for Fast Singlet Fission. <i>Bulletin of the Chemical Society of Japan</i> , <b>2019</b> , 92, 1960-1971	5.1	9
271	Singlet fission: the role of molecular packing. <i>Photochemistry</i> , <b>2019</b> , 498-516	1.8	2
270	Structure and photophysics of indigoids for singlet fission: Cibalackrot. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 184903	3.9	24
269	Insertion of Carbenes into Deprotonated -Undecaborane, BH(2-). <i>Molecules</i> , <b>2019</b> , 24,	4.8	7
268	Mechanical vs Electronic Strain: Oval-Shaped Alkynyl-Pt(II)-Phosphine Macrocycles. <i>Organometallics</i> , <b>2019</b> , 38, 4633-4644	3.8	4
267	EPR Spectroscopy of Radical Ions of a 2,3-Diamino-1,4-naphthoquinone Derivative. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 5474-5479	4.2	5
266	Asymmetric Choreography in Pairs of Orthogonal Rotors. <i>ACS Omega</i> , <b>2018</b> , 3, 1293-1297	3.9	11
265	p-Carborane Conjugation in Radical Anions of Cage-Cage and Cage-Phenyl Compounds. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 798-810	2.8	9
264	Structure of a monolayer of molecular rotors on aqueous subphase from grazing-incidence X-ray diffraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 9373-9378	11.5	12
263	Understanding the Effect of Conformation on Hole Delocalization in Poly(dimethylsilane). <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11158-11160	16.4	13
262	An MS-CASPT2 Calculation of the Excited Electronic States of an Axial Difluoroborondipyromethene (BODIPY) Dimer. <i>Journal of Chemical Theory and Computation</i> , <b>2018</b> , 14, 4291-4297	6.4	10
261	Oxidation of the B12 and CB11 Icosahedral Anions <b>2018</b> , 137-158		
260	Molecular Rods: Facile Desymmetrization of 1,4-Diethynylbicyclo[2.2.2]octane. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 5137-5142	3.2	11
259	Magnetic circular dichroism of an unaromatic planar [8]annulene. <i>Journal of Physical Organic Chemistry</i> , <b>2018</b> , 31, e3854	2.1	2
258	Mechanism of Surface Alkylation of a Gold Aerogel with Tetra-n-butylstannane-d: Identification of Byproducts. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 2339-2343	6.4	2
257	Low-Temperature PM IRRAS of a Monolayer on Au: Spectra of CDSH. <i>Langmuir</i> , <b>2017</b> , 33, 5613-5616	4	0
256	Intuitive Understanding of $\pi$ Delocalization in Loose and $\pi$ Localization in Tight Helical Conformations of an Oligosilane Chain. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 1250-1263	4.5	12
255	Anodic Oxidation of 18 Halogenated and/or Methylated Derivatives of CBH. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 269-276	5.1	14

254	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> , <b>2017</b> , 13, 4984-4996	6.4	43
253	Packing Guidelines for Optimizing Singlet Fission Matrix Elements in Noncovalent Dimers. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 15572-15575	16.4	30
252	Singlet Fission and Excimer Formation in Disordered Solids of Alkyl-Substituted 1,3-Diphenylisobenzofurans. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 8596-8603	2.8	28
251	Singlet Fission: Optimization of Chromophore Dimer Geometry. <i>Advances in Quantum Chemistry</i> , <b>2017</b> , 75, 175-227	1.4	31
250	1,3-Diphenylisobenzofuran: a Model Chromophore for Singlet Fission. <i>Topics in Current Chemistry</i> , <b>2017</b> , 375, 80	7.2	23
249	Surface Inclusion of Unidirectional Molecular Motors in Hexagonal Tris(o-phenylene)cyclotriphosphazene. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10486-10498	16.4	37
248	IR Spectra of n-BuM (M = Si, Ge, Sn, Pb), n-BuAuPPh-d, and "n-Bu" on a Gold Surface. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 4619-4625	2.8	1
247	1,3-Diphenylisobenzofuran: a Model Chromophore for Singlet Fission. <i>Topics in Current Chemistry Collections</i> , <b>2017</b> , 249-277	1.8	
246	Electronic Spectra of the Tetraphenylcyclobutadienecyclopentadienylnickel(II) Cation and Radical. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 3456-62	2.8	2
245	Li(+) Catalysis and Other New Methodologies for the Radical Polymerization of Less Activated Olefins. <i>Chemical Reviews</i> , <b>2016</b> , 116, 771-85	68.1	26
244	Fluorinated graphenes as advanced biosensors - effect of fluorine coverage on electron transfer properties and adsorption of biomolecules. <i>Nanoscale</i> , <b>2016</b> , 8, 12134-42	7.7	56
243	Bulk Inclusions of Pyridazine-Based Molecular Rotors in Tris(o-phenylenedioxy)cyclotriphosphazene (TPP). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5718-5732	15.6	18
242	Electronic Transitions in Conformationally Controlled Peralkylated Hexasilanes. <i>ChemPhysChem</i> , <b>2016</b> , 17, 3010-3022	3.2	14
241	Electrochemical Hydrogen Oxidation in Toluene/LiCB11Me12: H2 as a Surrogate for Lithium Metal?. <i>ChemElectroChem</i> , <b>2016</b> , 3, 332-336	4.3	1
240	Electrochemical Oxidation of [1-X-12-I-CBMe] Anions: Formation of Borenium Ylides [12-Dehydro-1-X-CBMe] and Iodonium Ylide Anions [{12-(1-X-CBMe)}]. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 12815-12821	5.1	7
239	Redox Behavior of 2,3-Diamino-1,4-naphthoquinone and its N-Alkylated Derivatives. <i>Electroanalysis</i> , <b>2016</b> , 28, 2855-2860	3	3
238	Excitation Localization/Delocalization Isomerism in a Strongly Coupled Covalent Dimer of 1,3-Diphenylisobenzofuran. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 3473-83	2.8	29
237	Guidance for Mutual Disposition of Chromophores for Singlet Fission. <i>Israel Journal of Chemistry</i> , <b>2016</b> , 56, 96-106	3.4	31

236	Time-Resolved Fluorescence Anisotropy of Bicyclo[1.1.1]pentane/Tolane-Based Molecular Rods Included in Tris(-phenylenedioxy)cyclotriphosphazene (TPP). <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 8805-8820	3.8	17
235	Toward (car)borane-based molecular magnets. <i>Theoretical Chemistry Accounts</i> , <b>2015</b> , 134, 1	1.9	9
234	Gearing motion in cogwheel pairs of molecular rotors: weak-coupling limit. <i>CrystEngComm</i> , <b>2015</b> , 17, 7829-7834	3.3	20
233	The Scope of Direct Alkylation of Gold Surface with Solutions of C1-C4 n-Alkylstannanes. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 12086-99	16.4	11
232	Synthesis of Triptycene-Based Molecular Rotors for Langmuir-Blodgett Monolayers. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 10134-50	4.2	19
231	Captodatively stabilized biradicaloids as chromophores for singlet fission. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 165-72	16.4	71
230	Covalent dimers of 1,3-diphenylisobenzofuran for singlet fission: synthesis and electrochemistry. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 80-9	4.2	15
229	Arrays of Molecular Rotors with Triptycene Stoppers: Surface Inclusion in Hexagonal Tris(o-phenylenedioxy)cyclotriphosphazene. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 6173-92	4.2	24
228	Photocurrent enhanced by singlet fission in a dye-sensitized solar cell. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 2286-93	9.5	47
227	From ordinary to blue emission in peralkylated n-oligosilanes: the calculated structure of delocalized and localized singlet excitons. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 10538-53	2.8	1
226	Mechanism of singlet fission in thin films of 1,3-diphenylisobenzofuran. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 7363-73	16.4	110
225	Electronic transitions in conformationally controlled tetrasilanes with a wide range of SiSiSiSi dihedral angles. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 9431-41	4.8	12
224	Tris-o-phenylenedioxy cyclotriphosphazene (TPP) Inclusion Compounds Containing a Dipolar Molecular Rotor. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 559-568	3.5	18
223	Two Thin Film Polymorphs of the Singlet Fission Compound 1,3-Diphenylisobenzofuran. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 12121-12132	3.8	74
222	Tetraarylcyclobutadienecyclopentadienylcobalt Complexes: Synthesis, Electronic Spectra, Magnetic Circular Dichroism, Linear Dichroism, and TD DFT Calculations. <i>Organometallics</i> , <b>2014</b> , 33, 3251-3264	3.8	8
221	Arrays of dipolar molecular rotors in Tris(o-phenylenedioxy) cyclotriphosphazene. <i>Topics in Current Chemistry</i> , <b>2014</b> , 354, 163-211		22
220	Convenient Small-Scale Preparation of p-Carborane by Pyrolysis of o-Carborane. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2014</b> , 69, 326-330	1.4	1
219	Formation of n-Alkyl Monolayers by Organomercury Deposition on Gold. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 2624-2629	6.4	12

218	Evidence for an Intermediate in the Methylation of CB H with Methyl Triflate: Comparison of Electrophilic Substitution in Cage Boranes and in Arenes. <i>ChemPlusChem</i> , <b>2013</b> , 78, 1174-1183	2.8	11
217	Update 1 of: Chemistry of the carba-closo-dodecaborate(-) anion, CB <sub>11</sub> H <sub>12</sub> (-). <i>Chemical Reviews</i> , <b>2013</b> , 113, PR179-233	68.1	158
216	Isoflurane as a solvent for electrochemistry. Electrooxidation study of icosahedral carborane anions in four different solvents. <i>Journal of Electroanalytical Chemistry</i> , <b>2013</b> , 689, 257-261	4.1	6
215	Inclusion compound based approach to arrays of artificial dipolar molecular rotors: bulk inclusions. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 1768-77	4.2	22
214	Inclusion compound based approach to forming arrays of artificial dipolar molecular rotors: a search for optimal rotor structures. <i>Advanced Materials</i> , <b>2013</b> , 25, 443-8	24	17
213	The role of chromophore coupling in singlet fission. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 1290-9	24.3	206
212	Alkylation of gold surface by treatment with C <sub>18</sub> H <sub>37</sub> HgOTs and anodic Hg stripping. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 5669-77	16.4	10
211	Recent advances in singlet fission. <i>Annual Review of Physical Chemistry</i> , <b>2013</b> , 64, 361-86	15.7	699
210	Toward designed singlet fission: solution photophysics of two indirectly coupled covalent dimers of 1,3-diphenylisobenzofuran. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 4680-95	3.4	103
209	Five Stereoactive Orbitals on Silicon: Charge and Spin Localization in the n-Si <sub>4</sub> Me <sub>10</sub> (-) $\dot{\text{C}}$ Radical Anion by Trigonal Bipyramidalization. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 1649-53	6.4	3
208	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> , <b>2013</b> , 135, 9366-76	16.4	81
207	Highly Branched Polyisobutylene by Radical Polymerization under Li[CB <sub>11</sub> (CH <sub>3</sub> ) <sub>12</sub> ] Catalysis. <i>Macromolecules</i> , <b>2012</b> , 45, 9250-9257	5.5	14
206	Fifth stereoactive orbital on silicon: relaxation of the lowest singlet excited state of octamethyltrisilane. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 10507-17	2.8	5
205	The 16 CB <sub>11</sub> (CH <sub>3</sub> ) <sub>n</sub> (CD <sub>3</sub> ) <sub>(12-n)</sub> $\dot{\text{C}}$ Radicals with 5-fold substitution symmetry: spin density distribution in CB <sub>11</sub> Me <sub>12</sub> ( $\dot{\text{C}}$ ) <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 10819-24	5.1	22
204	Search for a small chromophore with efficient singlet fission: biradicaloid heterocycles. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 14624-31	16.4	87
203	Measured and calculated oxidation potentials of 1-X-12-Y-CB <sub>11</sub> Me <sub>10</sub> <sup>-</sup> anions. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 5128-37	5.1	26
202	Inclusion compound based approach to arrays of artificial dipolar molecular rotors. A surface inclusion. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 10122-31	16.4	74
201	Friction in carborane-based molecular rotors driven by gas flow or electric field: classical molecular dynamics. <i>ACS Nano</i> , <b>2012</b> , 6, 1901-14	16.7	50

200	Covalent stabilization: a sturdy molecular square from reversible metal-ion-directed self-assembly. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 20108-11	16.4	12
199	Photochemical CO <sub>2</sub> reduction: towards an artificial leaf?. <i>Nature Chemistry</i> , <b>2011</b> , 3, 268-9	17.6	49
198	Radical polymerization of 1-alkenes catalyzed by lithium salts of carboranes. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 2018-2023	2.5	12
197	HCB11(CF <sub>3</sub> ) <sub>n</sub> F(11-n)-: inert anions with high anodic oxidation potentials. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 4123-31	16.4	40
196	Oxidatively induced concurrent cationic and radical polymerization of isobutylene in the presence of LiCB11Me <sub>12</sub> . <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 7801-9	16.4	27
195	Toward designed singlet fission: electronic states and photophysics of 1,3-diphenylisobenzofuran. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 1457-73	2.8	89
194	Singlet exciton fission for solar cell applications: energy aspects of interchromophore coupling. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 14223-32	3.4	115
193	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> , <b>2010</b> , 114, 14168-77	3.4	193
192	Singlet fission. <i>Chemical Reviews</i> , <b>2010</b> , 110, 6891-936	68.1	1326
191	Microwave-assisted alkylation of [CB11H <sub>12</sub> ]- and related anions. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 10247-54	5.1	28
190	High triplet yield from singlet fission in a thin film of 1,3-diphenylisobenzofuran. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 16302-3	16.4	203
189	Lithium salts of [1,12-dialkyl-CB11Me <sub>10</sub> ]- anions. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 10255-63	5.1	24
188	Mercury-Mediated Attachment of Metal-Sandwich-Based Altitudinal Molecular Rotors to Gold Surfaces. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 14050-14060	3.8	16
187	Preparation of covalent long-chain trialkylstannyl and trialkylsilyl salts and an examination of their adsorption on gold. <i>Langmuir</i> , <b>2010</b> , 26, 8483-90	4	23
186	T-shaped molecular building blocks by combined bridgehead and bridge substitution on bicyclo[1.1.1]pentanes. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 2350-6	4.2	14
185	Comment on Molecular Machines Based on Non-Interlocking Molecules (Other Than Catenanes and Rotaxanes) <b>2010</b> , 297-300		1
184	Comment on the Possible Presence of Bubbles Inside Self-Assembled Molecular Cages <b>2010</b> , 51-56		1
183	Conformational dependence of sigma-electron delocalization in linear chains: permethylated oligosilanes. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 8504-17	4.8	51

- 182 Electron systems: Recent developments in electronic spectroscopy and the PPP model. *International Journal of Quantum Chemistry*, **2009**, 10, 107-117 2.1 3
- 181 Semiempirical electron models for the calculation of MCD B terms for systems with approximate alternant pairing symmetry. MCD of biphenylene. *International Journal of Quantum Chemistry*, **2009**, 14, 419-431 2.1
- 180 Optical spectroscopy on partially oriented samples. *International Journal of Quantum Chemistry*, **2009**, 24, 471-482 2.1
- 179 Molecular rotors and motors: recent advances and future challenges. *ACS Nano*, **2009**, 3, 1042-8 16.7 247
- 178 Molecular Rotors on Au(111): Rotator Orientation from IR Spectroscopy. *Journal of Physical Chemistry C*, **2009**, 113, 20698-20704 3.8 21
- 177 Interpretation of the electronic spectra of four disilanes. *Journal of Physical Chemistry A*, **2008**, 112, 13095-13101 8
- 176 Education as a Top Priority for the American Chemical Society. *Journal of Chemical Education*, **2008**, 85, 1339 2.4
- 175 Coordination-driven face-directed self-assembly of trigonal prisms. Face-based conformational chirality. *Journal of the American Chemical Society*, **2008**, 130, 7620-8 16.4 94
- 174 Chemistry of the three-dimensionally aromatic CB11 cage. *Pure and Applied Chemistry*, **2008**, 80, 429-446 2.1 17
- 173 The sixteen CB(11)H(n)Me(12-n)(-) anions with fivefold substitution symmetry: anodic oxidation and electronic structure. *Journal of the American Chemical Society*, **2007**, 129, 12960-80 16.4 61
- 172 Adsorption of tentacled tetragonal star connectors, C<sub>4</sub>R<sub>4</sub>-Co-C<sub>5</sub>(HgX)<sub>5</sub>, on mercury. *Langmuir*, **2007**, 23, 930-5 4 6
- 171 Synthesis of the isolable biradicals <sup>\*</sup>(CH<sub>3</sub>B)<sub>11</sub>C-C triple bond C-C(BCH<sub>3</sub>)<sub>11</sub><sup>\*</sup> and trans-<sup>\*</sup>(CH<sub>3</sub>B)<sub>11</sub>C-CH=CH-C(BCH<sub>3</sub>)<sub>11</sub><sup>\*</sup>. *Journal of Organic Chemistry*, **2007**, 72, 2351-6 4.2 31
- 170 Aromatic substitution with hypercloso C(BCH<sub>3</sub>)<sub>11</sub>: a new mechanism. *Journal of the American Chemical Society*, **2007**, 129, 4172-4 16.4 18
- 169 Investigating Direct Alkynylation at the Bridgehead of Bicyclic Cages Using Silver(I) Acetylides. *European Journal of Organic Chemistry*, **2007**, 2007, 241-248 3.2 22
- 168 Coupling between substituents as a function of cage structure: synthesis and valence ionized states of bridgehead disubstituted parent and hexafluorinated bicyclo[1.1.1]pentane derivatives C<sub>5</sub>X<sub>6</sub>Y<sub>2</sub>. *Chemistry - an Asian Journal*, **2007**, 2, 1007-19 4.5 2
- 167 Electronic excitation in a syn-tetrasilane: 1,1,2,2,3,3, 4,4-octamethyltetrasilacyclopentane. *Theoretical Chemistry Accounts*, **2007**, 118, 81-87 1.9 9
- 166 Preparation of undecamethylated and hexamethylated 1-halocarba-closo-dodecaborate anions. *Heteroatom Chemistry*, **2006**, 17, 217-223 1.2 15
- 165 Singlet fission for dye-sensitized solar cells: can a suitable sensitizer be found?. *Journal of the American Chemical Society*, **2006**, 128, 16546-53 16.4 329



164	cis-endo-Bicyclo[1.1.1]pentane-1,2,3,4- tetracarboxylic acid and its derivatives. <i>Organic Letters</i> , <b>2006</b> , 8, 749-52	6.2	12
163	Calculation of relative energies of permethylated oligosilane conformers in vapor and in alkane solution. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 25485-95	3.4	11
162	CB11Me11 boronium ylides: carba-closo-dodecaboranes with a naked boron vertex. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 6089-100	16.4	35
161	Chemistry of the carba-closo-dodecaborate(-) anion, CB(11)H(12)(-). <i>Chemical Reviews</i> , <b>2006</b> , 106, 5208-488.1	68.1	217
160	Spin-orbit coupling in biradicals. 5. Zero-field splitting in triplet dimethylnitrenium, dimethylphosphenium and dimethylarsenium cations. <i>Molecular Physics</i> , <b>2005</b> , 103, 407-411	1.7	13
159	Toward self-assembled surface-mounted prismatic altitudinal rotors. A test case: trigonal and tetragonal prisms. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 5442-8	4.2	36
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