

Rik R Tykewinski

List of Publications by Year in descending order

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296
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times ranked

8981
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#	ARTICLE	IF	CITATIONS
1	Molecular rotational conformation controls the rate of singlet fission and triplet decay in pentacene dimers. <i>Chemical Science</i> , 2022, 13, 4944-4954.	7.4	9
2	Stable and Solution-Processable Cumulenenic sp ² -Carbon Wires: A New Paradigm for Organic Electronics. <i>Advanced Materials</i> , 2022, 34, e2110468.	21.0	12
3	The effects of ring strain on cyclic tetraaryl[5]cumulenes. <i>Chemistry - A European Journal</i> , 2022, , .	3.3	0
4	Parallel versus Twisted Pentacenes: Conformational Impact on Singlet Fission. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5094-5100.	4.6	7
5	Kontrolle des intramolekularen F�rstler-Resonanzenergietransfers und der Singulettspaltung in einem Subporphyrazin-Pentacen-Konjugat mittels L�sungsmittelpolarit�t. <i>Angewandte Chemie</i> , 2021, 133, 1496-1503.	2.0	2
6	Controlling Intramolecular F�rstler Resonance Energy Transfer and Singlet Fission in a Subporphyrazine-Pentacene Conjugate by Solvent Polarity. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1474-1481.	13.8	12
7	In memoriam Prof. Fran�ois Diederich. <i>Journal of Physical Organic Chemistry</i> , 2021, 34, e4159.	1.9	0
8	Deciphering structure and aggregation in asphaltenes: hypothesis-driven design and development of synthetic model compounds. <i>Chemical Society Reviews</i> , 2021, 50, 9202-9239.	38.1	28
9	Singlet Fission. <i>ChemPhotoChem</i> , 2021, 5, 392-392.	3.0	5
10	Model Asphaltenes Adsorbed onto Methyl- and COOH-Terminated SAMs on Gold. <i>Langmuir</i> , 2021, 37, 9785-9792.	3.5	4
11	Optimizing the Iodide/Iodonium/O ₂ Oxidation Cycle Enhances the Scope, Selectivity, and Yields of Hydroiodic Acid-Catalyzed Multicomponent Cyclocondensation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4720.	4.3	1
12	Hierarchical Synthesis, Structure, and Photophysical Properties of Gallium- and Ruthenium-Porphyrins with Axially Bonded Azo Ligands. <i>Chemistry - A European Journal</i> , 2020, 26, 16712-16720.	3.3	4
13	Optical gap and fundamental gap of oligoynes and carbyne. <i>Nature Communications</i> , 2020, 11, 4797.	12.8	28
14	Solvent-Induced Bond-Bending Isomerism in Hexaphenyl Carbodiphosphorane: Decisive Dispersion Interactions in the Solid State. <i>Inorganic Chemistry</i> , 2020, 59, 12054-12064.	4.0	9
15	The loss of endgroup effects in long pyridyl-endcapped oligoynes on the way to carbyne. <i>Nature Chemistry</i> , 2020, 12, 1143-1149.	13.6	44
16	Anthracene-Pentacene Dyads: Synthesis and OFET Characterization. <i>ChemPlusChem</i> , 2020, 85, 921-926.	2.8	3
17	Construction of Anthracene Bisimide-based Donor-Acceptor-Donor Arrays with 6,13-Diethynylpentacenes and 9,10-Diethynylanthracenes as Extended π -Conjugated Systems. <i>Chemistry Letters</i> , 2020, 49, 781-784.	1.3	2
18	A Field-Effect Transistor Based on Cumulenenic sp-Carbon Atomic Wires. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1970-1974.	4.6	18

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19	Singlet Fission in Enantiomerically Pure Pentacene Dimers. <i>ChemPhotoChem</i> , 2020, 4, 5168-5174.	3.0	8
20	Modulating the dynamics of Förster resonance energy transfer and singlet fission by variable molecular spacers. <i>Nanoscale</i> , 2020, 12, 23061-23068.	5.6	9
21	Synthesis of radiannulene oligomers to model the elusive carbon allotrope 6,6,12-graphyne. <i>Nature Communications</i> , 2019, 10, 3714.	12.8	33
22	Synthesis of Unsymmetrical Derivatives of Pentacene for Materials Applications. <i>Accounts of Chemical Research</i> , 2019, 52, 2056-2069.	15.6	48
23	Chromophore Multiplication To Enable Exciton Delocalization and Triplet Diffusion Following Singlet Fission in Tetrameric Pentacene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15263-15267.	13.8	26
24	Chromophore Multiplication To Enable Exciton Delocalization and Triplet Diffusion Following Singlet Fission in Tetrameric Pentacene. <i>Angewandte Chemie</i> , 2019, 131, 15407-15411.	2.0	7
25	Structural and Electronic Effects of Stepwise Reduction of a Tetraaryl[3]Cumulene. <i>Angewandte Chemie</i> , 2019, 131, 2045-2050.	2.0	15
26	Novel Aromatics: Official Special Issue of ISNA 18. <i>ChemPlusChem</i> , 2019, 84, 562-563.	2.8	1
27	Pentacenes: A Molecular Ruler for Singlet Fission. <i>Trends in Chemistry</i> , 2019, 1, 11-21.	8.5	32
28	A Tetraethynyl[5]cumulene. <i>Helvetica Chimica Acta</i> , 2019, 102, e1900001.	1.6	2
29	Davydov splitting and singlet fission in excitonically coupled pentacene dimers. <i>Chemical Science</i> , 2019, 10, 3854-3863.	7.4	60
30	Varying the Interpentacene Electronic Coupling to Tune Singlet Fission. <i>Journal of the American Chemical Society</i> , 2019, 141, 6191-6203.	13.7	66
31	[3]Rotaxanes with Mixed Axles: Polyynes and Cumulenes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3503-3512.	2.4	14
32	Light-harvesting porphyrazines to enable intramolecular singlet fission. <i>Nanoscale</i> , 2019, 11, 22286-22292.	5.6	14
33	Influence of the heavy-atom effect on singlet fission: a study of platinum-bridged pentacene dimers. <i>Chemical Science</i> , 2019, 10, 11130-11140.	7.4	25
34	Structural and Electronic Effects of Stepwise Reduction of a Tetraaryl[3]Cumulene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2023-2028.	13.8	22
35	Building from Gaacetylide Porphyrins: Synthesis of Gaacetylide Complexes Using Acetylenes and Polyynes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 494-498.	13.8	5
36	Intermolecular Singlet Fission in Unsymmetrical Derivatives of Pentacene in Solution. <i>Advanced Energy Materials</i> , 2019, 9, 1802221.	19.5	20

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37	Building from Ga ϵ Porphyrins: Synthesis of Ga ϵ Acetylide Complexes Using Acetylenes and Polyynes. <i>Angewandte Chemie</i> , 2019, 131, 504-508.	2.0	1
38	Double Bonds? Studies on the Barrier to Rotation about the Cumulenic C=C Bonds of Tetraaryl[<i>n</i>]cumulenes (<i>n</i> =3, 5, 7, 9). <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8321-8325.	13.8	29
39	Laser desorption vs. electrospray of polyyne-threaded rotaxanes: Preventing covalent cross-linking and promoting noncovalent aggregation. <i>Journal of Chemical Physics</i> , 2018, 148, 064308.	3.0	2
40	Pentacene Dimers as a Critical Tool for the Investigation of Intramolecular Singlet Fission. <i>Chemistry - A European Journal</i> , 2018, 24, 8245-8257.	3.3	120
41	Doppelbindungen? Untersuchungen der Rotationsbarrieren von cumulenischen C=C-Bindungen in Tetraaryl[<i>n</i>]cumulenen (<i>n</i> = 3, 5, 7, 9). <i>Angewandte Chemie</i> , 2018, 130, 8454-8458.	2.0	13
42	Tuning pentacene based dye-sensitized solar cells. <i>Nanoscale</i> , 2018, 10, 8515-8525.	5.6	9
43	Determination of Hansen Solubility Parameters of Asphaltene Model Compounds. <i>Energy & Fuels</i> , 2018, 32, 11296-11303.	5.1	31
44	Frontispiece: Pentacene Dimers as a Critical Tool for the Investigation of Intramolecular Singlet Fission. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	2
45	Feinabstimmung von intramolekularem resonantem F ϵ rster ϵ Energietransfer und Aktivierung intramolekularer Singulettspaltung. <i>Angewandte Chemie</i> , 2018, 130, 16528-16533.	2.0	4
46	Tuning Intramolecular F ϵ rster Resonance Energy Transfer and Activating Intramolecular Singlet Fission. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16291-16295.	13.8	21
47	Evidence for Charge-Transfer Mediation in the Primary Events of Singlet Fission in a Weakly Coupled Pentacene Dimer. <i>Chem</i> , 2018, 4, 1092-1111.	11.7	105
48	Singlet Fission for Photovoltaics with 130 ϵ % Injection Efficiency. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10742-10747.	13.8	52
49	Singulettspaltung f ϵ r Photovoltaikanwendungen mit Injektionseffizienzen von bis zu 130 ϵ %. <i>Angewandte Chemie</i> , 2018, 130, 10902-10907.	2.0	6
50	Panchromatic ternary/quaternary polymer/fullerene BHJ solar cells based on novel silicon naphthalocyanine and silicon phthalocyanine dye sensitizers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2550-2562.	10.3	32
51	The single-molecule electrical conductance of a rotaxane-hexayne supramolecular assembly. <i>Nanoscale</i> , 2017, 9, 355-361.	5.6	47
52	Reductive Aromatization/De aromatization and Elimination Reactions to Access Conjugated Polycyclic Hydrocarbons, Heteroacenes, and Cumulenes. <i>ChemPlusChem</i> , 2017, 82, 967-1001.	2.8	69
53	Synthetic and NMR studies on hexaphenylcarbodiphosphorane (Ph ϵ P C PPh ϵ). <i>Inorganica Chimica Acta</i> , 2017, 468, 152-158.	2.4	15
54	Unified model for singlet fission within a non-conjugated covalent pentacene dimer. <i>Nature Communications</i> , 2017, 8, 15171.	12.8	176

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55	Odd [<i>n</i>]Cumulenes (<i>n</i> = 3, 5, 7, 9): Synthesis, Characterization, and Reactivity. <i>Accounts of Chemical Research</i> , 2017, 50, 1468-1479.	15.6	78
56	Acenequinocumulenes: Lateral and Vertical π -Extended Analogues of Tetracyanoquinodimethane (TCNQ). <i>Chemistry - A European Journal</i> , 2017, 23, 17829-17835.	3.3	6
57	Two-Photon Absorption in Pentacene Dimers: The Importance of the Spacer Using Upconversion as an Indirect Route to Singlet Fission. <i>Journal of the American Chemical Society</i> , 2017, 139, 14017-14020.	13.7	25
58	Triethynylmethanol Derivatives: Stable Acetylenic Building Blocks for Surface Chemistry. <i>Chemistry - A European Journal</i> , 2017, 23, 1846-1852.	3.3	8
59	Synthesis, physical properties, and chemistry of donor-acceptor-substituted pentacenes. <i>Canadian Journal of Chemistry</i> , 2017, 95, 303-314.	1.1	10
60	Tautomerization and Dimerization of 6,13-Disubstituted Derivatives of Pentacene. <i>Chemistry - A European Journal</i> , 2017, 23, 6111-6117.	3.3	7
61	Polymerization of acetylene: polyynes, but not carbyne. <i>Organic Chemistry Frontiers</i> , 2017, 4, 668-674.	4.5	13
62	Synthesis and Aggregation Behavior of Chiral Naphthoquinoline Petroporphyrin Asphaltene Model Compounds. <i>Chemistry - A European Journal</i> , 2016, 22, 3378-3386.	3.3	7
63	A Series of Pyrene-Substituted Silicon Phthalocyanines as Near-IR Sensitizers in Organic Ternary Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1502355.	19.5	59
64	Pyridyl-Endcapped Polyynes: Stabilized Wire-like Molecules. <i>Angewandte Chemie</i> , 2016, 128, 15022-15026.	2.0	6
65	Nonlinear Optical Properties of Polyynes: An Experimental Prediction for Carbyne. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11131-11139.	3.1	28
66	Carbon-rich cyclopentadienyl ruthenium allenylidene complexes. <i>New Journal of Chemistry</i> , 2016, 40, 6127-6134.	2.8	5
67	Solution-based intramolecular singlet fission in cross-conjugated pentacene dimers. <i>Nanoscale</i> , 2016, 8, 10113-10123.	5.6	108
68	Enhancing the Dispersibility of TiO ₂ Nanorods and Gaining Control over Region-Selective Layer Formation. <i>Langmuir</i> , 2016, 32, 10604-10609.	3.5	5
69	Deciphering the Role of Impurities in Methylammonium Iodide and Their Impact on the Performance of Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600593.	3.7	31
70	Carbon-rich dinuclear ruthenium bisallenylidene complexes. <i>Journal of Organometallic Chemistry</i> , 2016, 821, 122-129.	1.8	6
71	Diels-Alder Cycloaddition of Tetraphenylcyclopentadienone and 1,3,5-Hexatriynes. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2274-2283.	2.4	4
72	Pyridyl-Endcapped Polyynes: Stabilized Wire-like Molecules. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14802-14806.	13.8	20

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73	Interplay between Solution Processing and Electronic Structure in Metal-Free Organic Magnets Based on a TEMPO Pentacene Derivative. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3289-3294.	3.1	8
74	Unexpected Michael Additions on the Way to 2,3,8,9-Dibenzanthanthrenes with Interesting Structural Properties. <i>Chemistry - A European Journal</i> , 2016, 22, 9097-9101.	3.3	27
75	Polyyne Rotaxanes: Stabilization by Encapsulation. <i>Journal of the American Chemical Society</i> , 2016, 138, 1366-1376.	13.7	117
76	Carbon-atom wires: 1-D systems with tunable properties. <i>Nanoscale</i> , 2016, 8, 4414-4435.	5.6	221
77	Controlling the Chromaticity of Small-Molecule Light-Emitting Electrochemical Cells Based on TIPS-Pentacene. <i>Advanced Functional Materials</i> , 2015, 25, 5066-5074.	14.9	68
78	Carbyne: The Molecular Approach. <i>Chemical Record</i> , 2015, 15, 1060-1074.	5.8	54
79	Region-Selective Deposition of Core-Shell Nanoparticles for Hierarchical Assemblies by the Huisgen 1,3-Dipolar Cycloaddition. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9235-9238.	13.8	19
80	Green Processing of Metal Oxide Core-Shell Nanoparticles as Low-Temperature Dielectrics in Organic Thin-Film Transistors. <i>Advanced Materials</i> , 2015, 27, 5950-5954.	21.0	16
81	Aggregation of asphaltene model compounds using a porphyrin tethered to a carboxylic acid. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6984-6991.	2.8	27
82	Pentacene Appended to a TEMPO Stable Free Radical: The Effect of Magnetic Exchange Coupling on Photoexcited Pentacene. <i>Journal of the American Chemical Society</i> , 2015, 137, 857-863.	13.7	54
83	Laser Desorption Mass Spectrometry of End Group-Protected Linear Polyynes: Evidence of Laser-Induced Cross-Linking. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2861-2870.	3.1	6
84	Scalable, Chromatography-Free Synthesis of Alkyl-Tethered Pyrene-Based Materials. Application to First-Generation α -Archipelago Model-Asphaltene Compounds. <i>Journal of Organic Chemistry</i> , 2015, 80, 1719-1726.	3.2	9
85	Thermal dimerization of [n]cumulenes (n = 5, 7, 9). <i>Chemical Communications</i> , 2015, 51, 14877-14880.	4.1	14
86	Cumulene Rotaxanes: Stabilization and Study of [9]Cumulenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6645-6649.	13.8	91
87	Singlet fission in pentacene dimers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5325-5330.	7.1	368
88	Addition Reactions of Olefins to Asphaltene Model Compounds. <i>Energy & Fuels</i> , 2015, 29, 1494-1502.	5.1	18
89	Axial coordination of pyridyl-containing pentacenes to porphyrins. <i>Journal of Coordination Chemistry</i> , 2015, 68, 3088-3098.	2.2	9
90	Catalytic Hydrodenitrogenation of Asphaltene Model Compounds. <i>Energy & Fuels</i> , 2015, 29, 6724-6733.	5.1	7

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91	New Synthetic Carbon Allotropes. , 2015, , 1382-1392.		1
92	Steroid-Derived Naphthoquinoline Asphaltene Model Compounds: Hydriodic Acid Is the Active Catalyst in I_{2} -Promoted Multicomponent Cyclocondensation Reactions. <i>Organic Letters</i> , 2015, 17, 5930-5933.	4.6	13
93	Aryl substitution of pentacenes. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1692-1705.	2.2	11
94	Carbon-Rich Ruthenium Allenylidene Complexes Bearing Heteroscorpionate Ligands. <i>Organometallics</i> , 2014, 33, 5129-5144.	2.3	10
95	Unexpected Formation of a [4]Radialene and Dendralenes by Addition of Tetracyanoethylene to a Tetraaryl[5]cumulene. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3743-3747.	13.8	26
96	Synthesis and properties of long n -cumulenes ($n \geq 5$). <i>Chemical Society Reviews</i> , 2014, 43, 3184-3203.	38.1	154
97	Binary Interactions in Coke Formation from Model Compounds and Asphaltenes. <i>Energy & Fuels</i> , 2014, 28, 1692-1700.	5.1	5
98	π -Conjugation and End Group Effects in Long Cumulenes: Raman Spectroscopy and DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26415-26425.	3.1	46
99	Donor- and/or Acceptor-Substituted Expanded Radialenes: Theory, Synthesis, and Properties. <i>Journal of Organic Chemistry</i> , 2014, 79, 10013-10029.	3.2	3
100	Optically Pure, Monodisperse cis -Oligodiacetylenes: Aggregation-Induced Chirality Enhancement. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 310-314.	13.8	6
101	Elucidation of structural information achievable for asphaltenes via collision-activated dissociation of their molecular ions in MS n experiments: A model compound study. <i>Fuel</i> , 2014, 133, 106-114.	6.4	36
102	New Synthetic Carbon Allotropes. , 2014, , 1-12.		2
103	Carbon-rich nanostructures: the conversion of acetylenes into materials. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 742-749.	1.9	68
104	An unsymmetrical pentacene derivative with ambipolar behavior in organic thin-film transistors. <i>Chemical Communications</i> , 2013, 49, 6725.	4.1	25
105	Structure and chain polarization of long polyynes investigated with infrared and Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1398-1410.	2.5	50
106	Synthesis and Structure of Tetraarylcumulenes: Characterization of Bond Length Alternation versus Molecule Length. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1817-1821.	13.8	77
107	Allenylidene Complexes Based on Pentacenequinone. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5181-5186.	2.0	10
108	Oligomers from sp -Hybridized Carbon: Cumulenes and Polyynes. <i>Structure and Bonding</i> , 2013, , 219-256.	1.0	3

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109	Synthesis and Derivatization of Expanded [n]Radialenes (n=3, 4). Chemistry - A European Journal, 2013, 19, 15120-15132.	3.3	7
110	Synthesis and ¹³ C NMR Spectroscopy of ¹³ C-Labeled \pm -Diphenylpolyynes. Synthesis, 2012, 44, 1915-1922.	2.3	9
111	Effect of Chemical Structure on the Cracking and Coking of Archipelago Model Compounds Representative of Asphaltenes. Energy & Fuels, 2012, 26, 1828-1843.	5.1	34
112	Synthesis, characterization, and solid-state polymerization of cross-conjugated octatetraynes. Canadian Journal of Chemistry, 2012, 90, 994-1014.	1.1	8
113	Density Functional Theory Investigation of the Contributions of π - π Stacking and Hydrogen-Bonding Interactions to the Aggregation of Model Asphaltene Compounds. Energy & Fuels, 2012, 26, 2727-2735.	5.1	113
114	Synthesis and Properties of Isomerically Pure Anthrabisbenzothiophenes. Organic Letters, 2012, 14, 62-65.	4.6	29
115	3D-RISM-KH molecular theory of solvation and density functional theory investigation of the role of water in the aggregation of model asphaltenes. Physical Chemistry Chemical Physics, 2012, 14, 3922.	2.8	41
116	Isomerically Pure <i>syn</i> -Anthrathiothiophenes: Synthesis, Properties, and FET Performance. Organic Letters, 2012, 14, 3660-3663.	4.6	81
117	Aromaticity: a web themed issue. Chemical Communications, 2012, 48, 10471.	4.1	12
118	Thermal Cracking of Substituted Cholestane-Benzoquinoline Asphaltene Model Compounds. Energy & Fuels, 2012, 26, 3592-3603.	5.1	20
119	Adamantyl- π -capped polyynes. Journal of Physical Organic Chemistry, 2012, 25, 69-76.	1.9	25
120	Incorporation of steroidal biomarkers into petroleum model compounds. Journal of Physical Organic Chemistry, 2012, 25, 597-606.	1.9	15
121	Absolute Raman intensity measurements and determination of the vibrational second hyperpolarizability of adamantyl endcapped polyynes. Journal of Raman Spectroscopy, 2012, 43, 1293-1298.	2.5	30
122	Acenes With a Click. Macromolecular Chemistry and Physics, 2012, 213, 1020-1032.	2.2	15
123	Synthesis of Polyyne Rotaxanes. Organic Letters, 2012, 14, 3424-3426.	4.6	93
124	Bent polyynes: ring geometry studied by Raman and IR spectroscopy. Journal of Raman Spectroscopy, 2012, 43, 95-101.	2.5	27
125	Two-Photon Absorption Properties of Two-Dimensional π -Conjugated Chromophores: Combined Experimental and Theoretical Study. Journal of Physical Chemistry A, 2011, 115, 105-117.	2.5	54
126	Chiral Propargyl Alcohols via the Enantioselective Addition of Terminal Di- and Triynes to Aldehydes. Journal of Organic Chemistry, 2011, 76, 6574-6583.	3.2	34

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127	Shape-persistent macrocycles— Self-assembly reactions and characterization by hyperpolarized ¹²⁹ Xe NMR spectroscopy**In memory of Professor Michael M. Pollard.. Canadian Journal of Chemistry, 2011, 89, 1264-1276.	1.1	7
128	Formation of Archipelago Structures during Thermal Cracking Implicates a Chemical Mechanism for the Formation of Petroleum Asphaltenes. Energy & Fuels, 2011, 25, 2130-2136.	5.1	100
129	Supramolecular Assembly Model for Aggregation of Petroleum Asphaltenes. Energy & Fuels, 2011, 25, 3125-3134.	5.1	385
130	Carbon disulfide reagent allows the characterization of nonpolar analytes by atmospheric pressure chemical ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 1924-1928.	1.5	29
131	Conjugated Oligomers and Polymers Based on Anthracene, Tetracene, Pentacene, Naphthodithiophene, and Anthradithiophene Building Blocks. Australian Journal of Chemistry, 2011, 64, 919.	0.9	42
132	Photogenerated cumulenenic structure of adamantyl endcapped linear carbon chains: An experimental and computational investigation based on infrared spectroscopy. Journal of Chemical Physics, 2011, 134, 124512.	3.0	22
133	Chiral and Achiral Charge-Transfer Chromophores with a Dendralene-Type Backbone by Electronically Controlled Cycloaddition/Cycloreversion Cascades. European Journal of Organic Chemistry, 2010, 2010, 2487-2503.	2.4	36
134	A Modular Synthetic Approach to Conjugated Pentacene Di-, Tri-, and Tetramers. Angewandte Chemie - International Edition, 2010, 49, 6190-6194.	13.8	65
135	Synthesis of polyynes to model the sp-carbon allotrope carbyne. Nature Chemistry, 2010, 2, 967-971.	13.6	461
136	Toward carbyne: Synthesis and stability of really long polyynes. Pure and Applied Chemistry, 2010, 82, 891-904.	1.9	59
137	Oligomers and Polymers Based on Pentacene Building Blocks. Materials, 2010, 3, 2772-2800.	2.9	27
138	Molecular Structures of Asphaltenes Based on the Dissociation Reactions of Their Ions in Mass Spectrometry. Energy & Fuels, 2010, 24, 5548-5559.	5.1	115
139	Comparing Laser Desorption/Laser Ionization Mass Spectra of Asphaltenes and Model Compounds. Energy & Fuels, 2010, 24, 3589-3594.	5.1	60
140	Measurement of Cracking Kinetics of Pure Model Compounds by Thermogravimetric Analysis. Energy & Fuels, 2010, 24, 3998-4004.	5.1	19
141	Reactions of Terminal Polyynes with Benzyl Azide. Journal of Organic Chemistry, 2010, 75, 8498-8507.	3.2	17
142	The Fritsch-Buttenberg-Wiechell rearrangement: modern applications for an old reaction. Chemical Communications, 2010, 46, 3235.	4.1	66
143	Thieme Chemistry Journal Awardees - Where Are They Now? Pentafluorophenyl End-Capped Polyynes as Supramolecular Building Blocks. Synlett, 2009, 2009, 2068-2075.	1.8	11
144	Pentacene-Based Polycyclic Aromatic Hydrocarbon Dyads with Cofacial Solid-State π -Stacking. Chemistry - A European Journal, 2009, 15, 12580-12584.	3.3	37

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145	<i>tert</i> -Butyl-End-Capped Polyynes: Crystallographic Evidence of Reduced Bond Length Alternation. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7915-7919.	13.8	80
146	Synthesis of extended polyynes: Toward carbyne. <i>Comptes Rendus Chimie</i> , 2009, 12, 341-358.	0.5	118
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148	Mechanistic Aspects of Alkyne Migration in Alkylidene Carbenoid Rearrangements. <i>Organic Letters</i> , 2009, 11, 519-522.	4.6	33
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