

Jiri Rybacek

List of Publications by Year in descending order

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27
papers

971
citations

567281

15
h-index

580821

25
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30
all docs

30
docs citations

30
times ranked

1263
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Access to Dibenzohelicenes and their Functionalized Derivatives. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9970-9975.	13.8	137
2	From helical to planar chirality by on-surface chemistry. <i>Nature Chemistry</i> , 2017, 9, 213-218.	13.6	101
3	An Ultimate Stereocontrol in Asymmetric Synthesis of Optically Pure Fully Aromatic Helicenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 8469-8474.	13.7	97
4	Toward Molecular Nanowires Self-Assembled on an Insulating Substrate: Heptahelicene-2-carboxylic acid on Calcite (101̄..4). <i>Journal of Physical Chemistry C</i> , 2010, 114, 1547-1552.	3.1	77
5	Chimerical Pyrene-Based [7]Helicenes as Twisted Polycondensed Aromatics. <i>Chemistry - A European Journal</i> , 2015, 21, 8910-8917.	3.3	77
6	Oxahelicene NHC ligands in the asymmetric synthesis of nonracemic helicenes. <i>Chemical Communications</i> , 2017, 53, 4370-4373.	4.1	64
7	Synthesis of Long Oxahelicenes by Polycyclization in a Flow Reactor. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5839-5843.	13.8	61
8	Twinned Growth of Metal-Free, Triazine-Based Photocatalyst Films as Mixed-Dimensional (2D/3D) van der Waals Heterostructures. <i>Advanced Materials</i> , 2017, 29, 1703399.	21.0	59
9	Racemic and Optically Pure Heptahelicene-2-carboxylic Acid: Its Synthesis and Self-Assembly into Nanowire-Like Aggregates. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 853-860.	2.4	36
10	Helicenes as Chirality-Inducing Groups in Transition-Metal Catalysis: The First Helically Chiral Olefin Metathesis Catalyst. <i>Chemistry - A European Journal</i> , 2018, 24, 10994-10998.	3.3	32
11	Molecular Self-Assembly of Enantiopure Heptahelicene-2-Carboxylic Acid on Calcite (101̄..4). <i>Journal of Physical Chemistry C</i> , 2012, 116, 4637-4641.	3.1	29
12	Antimicrobial peptides prevent bacterial biofilm formation on the surface of polymethylmethacrylate bone cement. <i>Journal of Medical Microbiology</i> , 2019, 68, 961-972.	1.8	26
13	Synthesis of Long Oxahelicenes by Polycyclization in a Flow Reactor. <i>Angewandte Chemie</i> , 2017, 129, 5933-5937.	2.0	22
14	Quantum dissipation driven by electron transfer within a single molecule investigated with atomic force microscopy. <i>Nature Communications</i> , 2020, 11, 1337.	12.8	18
15	Synthesis of Racemic, Diastereopure, and Enantiopure Carba- or Oxa[5]-, [6]-, [7]-, and -[19]helicene (Di)thiol Derivatives. <i>Journal of Organic Chemistry</i> , 2020, 85, 248-276.	3.2	15
16	Tetrathiafulvalene-functionalized triptycenes: synthetic protocols and elucidation of intramolecular Coulomb repulsions in the oxidized species. <i>Tetrahedron</i> , 2007, 63, 8840-8854.	1.9	14
17	The Use of Cobalt-Mediated Cycloisomerisation of Ynedinitriles in the Synthesis of Pyridazinohelicenes. <i>Chemistry - A European Journal</i> , 2014, 20, 8477-8482.	3.3	14
18	Chirality-Controlled Self-Assembly of Amphiphilic Dibenzo[6]helicenes into Langmuir-Blodgett Thin Films. <i>Chemistry - A European Journal</i> , 2019, 25, 11494-11502.	3.3	10

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19	Synthesis of locked cyclohexene and cyclohexane nucleic acids (LCeNA and LCNA) with modified adenosine units. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2703-2715.	2.8	6
20	Preparation of a Key Tetraene Precursor for the Synthesis of Long Acenes. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1658-1664.	2.4	6
21	Synthesis of (Di)thiahelicenes and Dithiophenohelicenes by [2+2+2] Cycloisomerisation of Alkynes. <i>Helvetica Chimica Acta</i> , 0, , .	1.6	6
22	Synthesis of Electron-Rich Thiamacrocycles. <i>Synthesis</i> , 2010, 2010, 4169-4176.	2.3	4
23	Chemical systematics of Neotropical termite genera with symmetrically snapping soldiers (Termitidae:). <i>Tj ETQq1 1 0.784314.3gBT /Over</i>	2.3	3
24	Synthesis of Extended Bifunctional Triptycenes. <i>Synthesis</i> , 2008, 2008, 3615-3618.	2.3	2
25	Electron-rich ligands with multiple tetrathiafulvalene arms. <i>Monatshefte für Chemie</i> , 2011, 142, 821-826.	1.8	2
26	A New Analogue of Locked Cyclohexane Nucleic Acids. <i>Synthesis</i> , 2015, 47, 2654-2662.	2.3	0
27	Chirality-Controlled Self-Assembly of Amphiphilic Dibenzo[6]helicenes into Langmuir-Blodgett Thin Films. <i>Chemistry - A European Journal</i> , 2019, 25, 11393-11393.	3.3	0