

Volker Schmidts

List of Publications by Year in descending order

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27
papers

843
citations

516710

16
h-index

526287

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32
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32
docs citations

32
times ranked

769
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering of a Plant Isoprenyl Diphosphate Synthase for Development of Irregular Coupling Activity. <i>ChemBioChem</i> , 2022, 23, .	2.6	5
2	Gradient selected pure shift EASY-ROESY techniques facilitate the quantitative measurement of ¹ H, ¹ H-distance restraints in congested spectral regions. <i>Journal of Magnetic Resonance</i> , 2021, 324, 106900.	2.1	9
3	TITANIA: Model-Free Interpretation of Residual Dipolar Couplings in the Context of Organic Compounds. <i>Journal of Organic Chemistry</i> , 2021, 86, 15387-15402.	3.2	13
4	Model free analysis of <i>experimental</i> residual dipolar couplings in small organic compounds. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 281-286.	2.8	12
5	Probing Long-Range Anisotropic Interactions: a General and Sensitive Strategy to Measure ¹ H- ¹ H Residual Dipolar Couplings as a Key Advance for Organic Structure Determination. <i>Angewandte Chemie</i> , 2020, 132, 5354-5358.	2.0	1
6	Probing Long-Range Anisotropic Interactions: a General and Sensitive Strategy to Measure ¹ H- ¹ H Residual Dipolar Couplings as a Key Advance for Organic Structure Determination. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5316-5320.	13.8	12
7	Engineering of new-to-nature halogenated indigo precursors in plants. <i>Metabolic Engineering</i> , 2018, 46, 20-27.	7.0	27
8	Thermoresponsive Alignment Media in NMR Spectroscopy: Helix-Reversal of a Copolyaspartate at Ambient Temperatures. <i>Chemistry - A European Journal</i> , 2018, 24, 14373-14377.	3.3	25
9	Synthesis of Poly(³ S)- ² -methylbutyl- ^l -glutamate and Poly(³ S)- ² -methylbutyl- ^d -glutamate and Their Use as Enantiodiscriminating Alignment Media in NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2017, 23, 9114-9121.		27
10	Perspectives in the application of residual dipolar couplings in the structure elucidation of weakly aligned small molecules. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 54-60.	1.9	61
11	Nanoskalige, biologisch abbaubare organisch-inorganische Hybride für effiziente Zellaufnahme und Wirkstofftransport. <i>Angewandte Chemie</i> , 2016, 128, 15063-15068.	2.0	0
12	Frontispiece: Uncovering Key Structural Features of an Enantioselective Peptide-Catalyzed Acylation Utilizing Advanced NMR Techniques. <i>Angewandte Chemie - International Edition</i> , 2016, 55, .	13.8	0
13	Aufklärung entscheidender struktureller Aspekte einer enantioselektiven Peptid-katalysierten Acylierung mittels moderner NMR-Techniken. <i>Angewandte Chemie</i> , 2016, 128, 15986-15991.	2.0	14
14	Extraction of distance restraints from pure shift NOE experiments. <i>Journal of Magnetic Resonance</i> , 2016, 271, 99-109.	2.1	17
15	Uncovering Key Structural Features of an Enantioselective Peptide-Catalyzed Acylation Utilizing Advanced NMR Techniques. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15754-15759.	13.8	43
16	Nanoscale Biodegradable Organic-Inorganic Hybrids for Efficient Cell Penetration and Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14842-14846.	13.8	16
17	Frontispiz: Aufklärung entscheidender struktureller Aspekte einer enantioselektiven Peptid-katalysierten Acylierung mittels moderner NMR-Techniken. <i>Angewandte Chemie</i> , 2016, 128, .	2.0	0
18	Exploring the Conformational Space of Bridge-Substituted Dithienylcyclopentenes. <i>Chemistry - A European Journal</i> , 2015, 21, 14545-14554.	3.3	24

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19	Dynamic behaviour of monohaptoallylpalladium species: internal coordination as a driving force in allylic alkylation chemistry. <i>Chemical Science</i> , 2015, 6, 5734-5739.	7.4	8
20	The influence of electronic modifications on rotational barriers of bisâ€NHCâ€ complexes as observed by dynamic NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 695-700.	1.9	8
21	RDC-Based Determination of the Relative Configuration of the Fungicidal Cyclopentenone 4,6-Diacetylhydroporone A ^{>12</sup>. <i>Journal of Natural Products</i>, 2013, 76, 839-844.}	3.0	36
22	Polyacetylenes as Enantiodifferentiating Alignment Media. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8334-8338.	13.8	86
23	The Absolute Configuration of Dibromopalladiumamine. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6900-6903.	2.4	42
24	Determination of the Conformation of the Key Intermediate in an Enantioselective Palladiumâ€Catalyzed Allylic Substitution from Residual Dipolar Couplings. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 205-209.	13.8	39
25	How different are diastereomorphous orientations of enantiomers in the liquid crystalline phases of PBLG and PBDG: a case study. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, 734-740.	1.9	37
26	On the Treatment of Conformational Flexibility when Using Residual Dipolar Couplings for Structure Determination. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6708-6712.	13.8	75
27	â€Face Donor Properties of Nâ€Heterocyclic Carbenes in Grubbs II Complexes. <i>Chemistry - A European Journal</i> , 2008, 14, 5465-5481.	3.3	136