

# Volker Schmidts

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

843  
citations

516561

16  
h-index

526166

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

769  
citing authors

#	ARTICLE	IF	CITATIONS
1	Face Donor Properties of N-Heterocyclic Carbenes in Grubbs II Complexes. <i>Chemistry - A European Journal</i> , 2008, 14, 5465-5481.	1.7	136
2	Polyacetylenes as Enantiodifferentiating Alignment Media. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8334-8338.	7.2	86
3	On the Treatment of Conformational Flexibility when Using Residual Dipolar Couplings for Structure Determination. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6708-6712.	7.2	75
4	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.	1.1	61
5	Uncovering Key Structural Features of an Enantioselective Peptide-Catalyzed Acylation Utilizing Advanced NMR Techniques. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15754-15759.	7.2	43
6	The Absolute Configuration of Dibromopalau'amine. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6900-6903.	1.2	42
7	Determination of the Conformation of the Key Intermediate in an Enantioselective Palladium-Catalyzed Allylic Substitution from Residual Dipolar Couplings. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 205-209.	7.2	39
8	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.	1.1	37
9	RDC-Based Determination of the Relative Configuration of the Fungicidal Cyclopentenone 4,6-Diacetylhygrophorone $A_{12}$ . <i>Journal of Natural Products</i> , 2013, 76, 839-844.	1.5	36
10	Synthesis of Poly( <i>S</i> -2-methylbutyl-L-glutamate and Poly( <i>S</i> -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
11	Engineering of new-to-nature halogenated indigo precursors in plants. <i>Metabolic Engineering</i> , 2018, 46, 20-27.	3.6	27
12	Thermoresponsive Alignment Media in NMR Spectroscopy: Helix-Reversal of a Copolyaspartate at Ambient Temperatures. <i>Chemistry - A European Journal</i> , 2018, 24, 14373-14377.	1.7	25
13	Exploring the Conformational Space of Bridge-Substituted Dithienylcyclopentenes. <i>Chemistry - A European Journal</i> , 2015, 21, 14545-14554.	1.7	24
14	Extraction of distance restraints from pure shift NOE experiments. <i>Journal of Magnetic Resonance</i> , 2016, 271, 99-109.	1.2	17
15	Nanoscale Biodegradable Organic-Inorganic Hybrids for Efficient Cell Penetration and Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14842-14846.	7.2	16
16	Aufklärung entscheidender struktureller Aspekte einer enantioselektiven Peptid-katalysierten Acylierung mittels moderner NMR-Techniken. <i>Angewandte Chemie</i> , 2016, 128, 15986-15991.	1.6	14
17	TITANIA: Model-Free Interpretation of Residual Dipolar Couplings in the Context of Organic Compounds. <i>Journal of Organic Chemistry</i> , 2021, 86, 15387-15402.	1.7	13
18	Probing Long-Range Anisotropic Interactions: a General and Sensitive Strategy to Measure $^1\text{H}$ Residual Dipolar Couplings as a Key Advance for Organic Structure Determination. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5316-5320.	7.2	12

#	ARTICLE	IF	CITATIONS
19	Model free analysis of <i>experimental</i> residual dipolar couplings in small organic compounds. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 281-286.	1.3	12
20	Gradient selected pure shift EASY-ROESY techniques facilitate the quantitative measurement of <sup>1</sup> H, <sup>1</sup> H-distance restraints in congested spectral regions. <i>Journal of Magnetic Resonance</i> , 2021, 324, 106900.	1.2	9
21	The influence of electronic modifications on rotational barriers of bis <sup>π</sup> NHC complexes as observed by dynamic NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 695-700.	1.1	8
22	Dynamic behaviour of monohaptoallylpalladium species: internal coordination as a driving force in allylic alkylation chemistry. <i>Chemical Science</i> , 2015, 6, 5734-5739.	3.7	8
23	Engineering of a Plant Isoprenyl Diphosphate Synthase for Development of Irregular Coupling Activity. <i>ChemBioChem</i> , 2022, 23, .	1.3	5
24	Probing Long-Range Anisotropic Interactions: a General and Sensitive Strategy to Measure <sup>1</sup> H- <sup>1</sup> H Residual Dipolar Couplings as a Key Advance for Organic Structure Determination. <i>Angewandte Chemie</i> , 2020, 132, 5354-5358.	1.6	1
25	Nanoskalige, biologisch abbaubare organisch- <sup>π</sup> anorganische Hybride für effiziente Zellaufnahme und Wirkstofftransport. <i>Angewandte Chemie</i> , 2016, 128, 15063-15068.	1.6	0
26	Frontispiece: Uncovering Key Structural Features of an Enantioselective Peptide-Catalyzed Acylation Utilizing Advanced NMR Techniques. <i>Angewandte Chemie - International Edition</i> , 2016, 55, .	7.2	0
27	Frontispiz: Aufklärung entscheidender struktureller Aspekte einer enantioselektiven Peptid-katalysierten Acylierung mittels moderner NMR-Techniken. <i>Angewandte Chemie</i> , 2016, 128, .	1.6	0