

Martin C Feiters

List of Publications by Year in descending order

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citations

304743

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times ranked

1738
citing authors

#	ARTICLE	IF	CITATIONS
1	Gemini Surfactants: New Synthetic Vectors for Gene Transfection. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1448-1457.	13.8	377
2	Toward Nanomolar Detection by NMR Through SABRE Hyperpolarization. <i>Journal of the American Chemical Society</i> , 2014, 136, 2695-2698.	13.7	141
3	Ligand effects of NHC-iridium catalysts for signal amplification by reversible exchange (SABRE). <i>Chemical Communications</i> , 2013, 49, 7388.	4.1	87
4	² D-NMR Trace Analysis by Continuous Hyperpolarization at High Magnetic Field. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14527-14530.	13.8	83
5	¹ H-Cyclodextrin-Appended Giant Amphiphile: Aggregation to Vesicle Polymersomes and Immobilisation of Enzymes. <i>Chemistry - A European Journal</i> , 2008, 14, 9914-9920.	3.3	80
6	Direct Hyperpolarization of Nitrogen-15 in Aqueous Media with Parahydrogen in Reversible Exchange. <i>Journal of the American Chemical Society</i> , 2017, 139, 7761-7767.	13.7	80
7	A New Ir-NHC Catalyst for Signal Amplification by Reversible Exchange in D ₂ O. <i>Chemistry - A European Journal</i> , 2016, 22, 9277-9282.	3.3	78
8	Stereodependent Fusion and Fission of Vesicles: Calcium Binding of Synthetic Gemini Phospholipids Containing Two Phosphate Groups. <i>Journal of the American Chemical Society</i> , 1997, 119, 4338-4344.	13.7	75
9	NMR-Based Chemosensing via ² H Hyperpolarization: Application to Natural Extracts. <i>Analytical Chemistry</i> , 2016, 88, 3406-3412.	6.5	59
10	X-ray absorption spectroscopic studies on model compounds for biological iodine and bromine. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 85-93.	2.4	57
11	NMR detection in biofluid extracts at sub- μ M concentrations via para-H ₂ induced hyperpolarization. <i>Analyst</i> , 2016, 141, 4001-4005.	3.5	53
12	Design of Radioiodinated Pharmaceuticals: Structural Features Affecting Metabolic Stability towards in Vivo Deiodination. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3387-3414.	2.4	52
13	Delivery of DNA and siRNA by novel gemini-like amphiphilic peptides. <i>Journal of Controlled Release</i> , 2010, 145, 33-39.	9.9	41
14	Parahydrogen induced hyperpolarization provides a tool for NMR metabolomics at nanomolar concentrations. <i>Chemical Communications</i> , 2019, 55, 7235-7238.	4.1	40
15	Bromine is an Endogenous Component of a Vanadium Bromoperoxidase. <i>Journal of the American Chemical Society</i> , 2005, 127, 15340-15341.	13.7	30
16	Application of the σ -accepting ability parameter of N-heterocyclic carbene ligands in iridium complexes for signal amplification by reversible exchange (SABRE). <i>Dalton Transactions</i> , 2015, 44, 15387-15390.	3.3	29
17	Transfection by cationic gemini lipids and surfactants. <i>MedChemComm</i> , 2018, 9, 1404-1425.	3.4	28
18	Expression of Supramolecular Chirality in Aggregates of Chiral Amide-Containing Surfactants. <i>Chemistry - A European Journal</i> , 1998, 4, 127-136.	3.3	27

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19	Trace analysis in water-alcohol mixtures by continuous 2 hyperpolarization at high magnetic field. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 633-640.	1.9	25
20	Parahydrogen Hyperpolarization Allows Direct NMR Detection of 1 Amino Acids in Complex (Bio)mixtures. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26954-26959.	13.8	25
21	Emission of volatile halogenated compounds, speciation and localization of bromine and iodine in the brown algal genome model <i>Ectocarpus siliculosus</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 1119-1128.	2.6	24
22	Structure-delivery relationships of lysine-based gemini surfactants and their lipoplexes. <i>Soft Matter</i> , 2014, 10, 5702-5714.	2.7	20
23	High field hyperpolarization-EXSY experiment for fast determination of dissociation rates in SABRE complexes. <i>Journal of Magnetic Resonance</i> , 2017, 276, 122-127.	2.1	20
24	Gemini-Tenside: neue synthetische Vektoren zur Gentransfektion. <i>Angewandte Chemie</i> , 2003, 115, 1486-1496.	2.0	16
25	Different speciation for bromine in brown and red algae, revealed by in vivo X-ray absorption spectroscopic studies. <i>Journal of Phycology</i> , 2014, 50, 652-664.	2.3	15
26	Solution scattering studies on a virus capsid protein as a building block for nanoscale assemblies. <i>Soft Matter</i> , 2011, 7, 11380.	2.7	12
27	Halogens in Seaweeds: Biological and Environmental Significance. <i>Phycology</i> , 2022, 2, 132-171.	3.6	12
28	Analysis of Complex Mixtures by Chemosensing NMR Using 1 -Hydrogen-Induced Hyperpolarization. <i>Accounts of Chemical Research</i> , 2022, 55, 1832-1844.	15.6	12
29	Synthesis and Characterization of PY2- and TPA-Appended Diphenylglycoluril Receptors and Their Bis-CuI Complexes. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 2281-2295.	2.4	11
30	Monitoring Heterogeneously Catalyzed Hydrogenation Reactions at Elevated Pressures Using In-Line Flow NMR. <i>Analytical Chemistry</i> , 2019, 91, 12636-12643.	6.5	11
31	Peptide-Appended Permethylated 2 -Cyclodextrins with Hydrophilic and Hydrophobic Spacers. <i>Bioconjugate Chemistry</i> , 2017, 28, 2160-2166.	3.6	9
32	Copper(II) Bipyridine and Crown Ether-Bipyridine Complexes: X-ray Structures, Characterization, and Properties as Histamine Receptors. <i>Supramolecular Chemistry</i> , 1996, 8, 31-44.	1.2	4
33	Solution scattering studies of the hierarchical assembly of porphyrin trimers based on benzene triscarboxamide. <i>Soft Matter</i> , 2014, 10, 9688-9694.	2.7	4
34	Self-assembly of porphyrin hexamers via bidentate metal-ligand coordination. <i>Dalton Transactions</i> , 2018, 47, 14277-14287.	3.3	3
35	Parahydrogen hyperpolarization allows direct NMR detection of 1 amino acids in complex (bio)mixtures. <i>Angewandte Chemie</i> , 0, , .	2.0	3
36	Synthesis and crystal structure of (+)-(2R,3R)-N, N'-bis-trityl-2,3-bis-aziridine. <i>Journal of Chemical Crystallography</i> , 1999, 29, 179-183.	1.1	2

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37	Mimicking biological electron transfer and oxygen activation involving iron and copper proteins: a bio(in)organic supramolecular approach. <i>Metal Ions in Biological Systems</i> , 2001, 38, 461-655.	0.4	2
38	Cationic Geminoid Peptide Amphiphiles Inhibit DENV2 Protease, Furin, and Viral Replication. <i>Molecules</i> , 2022, 27, 3217.	3.8	1
39	Design and synthesis of macromolecular structures from self-assembling building blocks. <i>Macromolecular Symposia</i> , 1995, 98, 483-490.	0.7	0