

Marianne Engeser

List of Publications by Year in descending order

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117625

34
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53
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80
all docs

80
docs citations

80
times ranked

3039
citing authors

#	ARTICLE	IF	CITATIONS
1	A Versatile Toolbox for Variable DNA Functionalization at High Density. <i>Journal of the American Chemical Society</i> , 2005, 127, 15071-15082.	13.7	285
2	Room-Temperature C-H Bond Activation of Methane by Bare [Pt ₄ O ₁₀] ⁺ . <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4861-4863.	13.8	125
3	A fluorescent molecular thermometer based on the nickel(II) high-spin/low-spin interconversion. <i>Chemical Communications</i> , 1999, , 1191-1192.	4.1	119
4	Enantiomerically Pure [M ₆ L ₁₂] or [M ₁₂ L ₂₄] Polyhedra from Flexible Bis(Pyridine) Ligands. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1693-1698.	13.8	96
5	Identification and in vitro Analysis of the GatD/MurT Enzyme-Complex Catalyzing Lipid II Amidation in <i>Staphylococcus aureus</i> . <i>PLoS Pathogens</i> , 2012, 8, e1002509.	4.7	95
6	Ion chemistry of the hexanuclear methoxo-oxovanadium cluster V ₆ O ₇ (OCH ₃) ₁₂ . <i>International Journal of Mass Spectrometry</i> , 2003, 228, 743-757.	1.5	93
7	The Final Steps of Bacillaene Biosynthesis in <i>Bacillus amyloliquefaciens</i> FZB42: Direct Evidence for Î²,Î³-Dehydration by a <i>trans</i> -Acyltransferase Polyketide Synthase. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1465-1467.	13.8	90
8	Oxidative Degradation of Small Cationic Vanadium Clusters by Molecular Oxygen: On the Way from Vn ⁺ (n = 2-5) to VO _m ⁺ (m = 1, 2). <i>Journal of Physical Chemistry A</i> , 2003, 107, 2855-2859.	2.5	83
9	Self-Assembly Reactions between the Cis-Protected Metal Corners (N ₄)MII(N ₄ = Ethylenediamine, Tj ETQq1 1 0.784314 rgBT /C 1,4-Bis(4-pyridyl)tetrafluorobenzene. <i>Inorganic Chemistry</i> , 2007, 46, 3395-3406.	4.0	81
10	An Octanuclear Metallocuprate Cage Designed To Exhibit Spin-Crossover Behavior. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4930-4935.	13.8	80
11	Degradation of Ionized VO(OCH ₃) ₃ in the Gas Phase. From the Neutral Compound All the Way down to the Quasi-terminal Fragments VO ⁺ and VOH ⁺ . <i>Inorganic Chemistry</i> , 2006, 45, 6235-6245.	4.0	75
12	Light-Induced Formation of G-Quadruplex DNA Secondary Structures. <i>ChemBioChem</i> , 2005, 6, 1966-1970.	2.6	68
13	Cleavage of Four Carbon-Carbon Bonds during Biosynthesis of the Griseorhodin A Spiroketal Pharmacophore. <i>Journal of the American Chemical Society</i> , 2009, 131, 2297-2305.	13.7	68
14	Alkane Oxidation by VO ₂ ⁺ in the Gas Phase: A Unique Dependence of Reactivity on the Chain Length. <i>Organometallics</i> , 2003, 22, 3933-3943.	2.3	67
15	Coordination of capsule assembly and cell wall biosynthesis in <i>Staphylococcus aureus</i> . <i>Nature Communications</i> , 2019, 10, 1404.	12.8	66
16	Enantiomerically Pure Trinuclear Helicates via Diastereoselective Self-Assembly and Characterization of Their Redox Chemistry. <i>Journal of the American Chemical Society</i> , 2014, 136, 11830-11838.	13.7	65
17	Pederin-Type Pathways of Uncultivated Bacterial Symbionts: Analysis of O-Methyltransferases and Generation of a Biosynthetic Hybrid. <i>Journal of the American Chemical Society</i> , 2009, 131, 2780-2781.	13.7	63
18	Synthesis of Axially Chiral 4,4'-Bipyridines and Their Remarkably Selective Self-Assembly into Chiral Metallo-Supramolecular Squares. <i>Chemistry - A European Journal</i> , 2008, 14, 3855-3859.	3.3	59

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19	Gas-Phase Dehydrogenation of Methanol with Mononuclear Vanadium-Oxide Cations. Chemistry - A European Journal, 2005, 11, 5975-5987.	3.3	58
20	DNA-Based Phosphane Ligands. Chemistry - A European Journal, 2007, 13, 2089-2095.	3.3	49
21	Cap for Copper(I) Ions! Metallosupramolecular Solid and Solution State Structures on the Basis of the Dynamic Tetrahedral [Cu(phenAr ₂)(py) ₂] ⁺ Motif. Inorganic Chemistry, 2009, 48, 8192-8200.	4.0	49
22	Heteroleptic Metallosupramolecular Racks, Rectangles, and Trigonal Prisms: Stoichiometry-Controlled Reversible Interconversion. Inorganic Chemistry, 2013, 52, 6975-6984.	4.0	47
23	Self-assembling squares with amino acid-decorated bipyridines: heterochiral self-sorting of dynamically interconverting diastereomers. Chemical Communications, 2008, , 4789.	4.1	43
24	Competitive Hydrogen-Atom Abstraction versus Oxygen-Atom and Electron Transfers in Gas-Phase Reactions of [X ₄ O ₁₀] ⁺ (X=P, V) with C ₂ H ₄ . Chemistry - A European Journal, 2010, 16, 4452-4456.	3.3	43
25	Implications of Stoichiometry-Controlled Structural Changeover Between Heteroleptic Trigonal [Cu(phenAr ₂)(py)] ⁺ and Tetragonal [Cu(phenAr ₂)(py) ₂] ⁺ Motifs for Solution and Solid-State Supramolecular Self-Assembly. Inorganic Chemistry, 2012, 51, 10832-10841.	4.0	42
26	Characterization of Self-Assembled Metallodendrimers in Solution, in the Gas Phase, and at Air/Solid Interfaces. Small, 2008, 4, 1823-1834.	10.0	41
27	How useful is mass spectrometry for the characterization of dendrimers?. International Journal of Mass Spectrometry, 2006, 249-250, 138-148.	1.5	40
28	Reactivity of self-assembled supramolecular complexes in the gas phase: A supramolecular neighbor group effect. International Journal of Mass Spectrometry, 2006, 255-256, 185-194.	1.5	38
29	Dinosaur origin of egg color: oviraptors laid blue-green eggs. PeerJ, 2017, 5, e3706.	2.0	38
30	Dynamic Complex-to-Complex Transformations of Heterobimetallic Systems Influence the Cage Structure or Spin State of Iron(II) Ions. Angewandte Chemie - International Edition, 2020, 59, 3195-3200.	13.8	37
31	Energetics of the Ligated Vanadium Dications VO ₂ ⁺ , VOH ₂ ⁺ , and [V ₂ O ₂ H ₂] ²⁺ . ChemPhysChem, 2002, 3, 584-591.	2.1	36
32	Stretch Out or Fold Back? Conformations of Dinuclear Gold(I) <i>N</i> -Heterocyclic Carbene Macrocycles. Inorganic Chemistry, 2015, 54, 6100-6111.	4.0	36
33	Thermal Homolytic and Heterolytic C-H Bond Activation of Ethane and Propane by Bare [P ₄ O ₁₀] ⁺ : Regioselectivities, Kinetic Isotope Effects, and Density Functional Theory Based Potential-Energy Surfaces. Chemistry - A European Journal, 2009, 15, 11100-11104.	3.3	34
34	Self-assembly of metallosupramolecular rhombi from chiral concave 9,9- TM -spirobifluorene-derived bis(pyridine) ligands. Beilstein Journal of Organic Chemistry, 2014, 10, 432-441.	2.2	33
35	Ion Chemistry of OV(OCH ₃) ₃ in the Gas Phase: Molecular Cations and Anions and Their Primary Fragmentations. Inorganic Chemistry, 2004, 43, 1976-1985.	4.0	31
36	Self-Assembly of Heterometallic Metallomacrocycles via Ditopic Fluoroaryl Gold(I) Organometallic Metalloligands. Organometallics, 2012, 31, 1533-1545.	2.3	30

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37	Mass spectrometry as a tool in dendrimer chemistry: from self-assembling dendrimers to dendrimer gas-phase host-guest chemistry. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 479-490.	1.9	29
38	Chiral self-sorting behaviour of [2.2]paracyclophane-based bis(pyridine) ligands. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1226-1235.	4.5	29
39	Mass spectrometric evidence for catenanes and rotaxanes from negative-ESI FT-ICR tandem-MS-experiments. <i>International Journal of Mass Spectrometry</i> , 2004, 232, 249-258.	1.5	26
40	Dehydration and Dehydrogenation of Alcohols with Mononuclear Cationic Vanadium Oxides in the Gas Phase and Energetics of VO _n H _{0/+} (n = 2, 3). <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 2454-2464.	2.0	26
41	Synthesis and DFT calculations of spirooxaphosphirane complexes. <i>Dalton Transactions</i> , 2013, 42, 8897.	3.3	26
42	A Family of Heterobimetallic Cubes Shows Spin-Crossover Behaviour Near Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22562-22569.	13.8	26
43	Unexpected Self-Assembly of a Homochiral Metallosupramolecular M ₄ L ₄ Catenane. <i>Chemistry - A European Journal</i> , 2014, 20, 13253-13258.	3.3	22
44	Subcomponent Self-Assembly of a Cyclic Tetranuclear Fe II Helicate in a Highly Diastereoselective Self-Sorting Manner. <i>Chemistry - A European Journal</i> , 2019, 25, 12294-12297.	3.3	21
45	Direct experimental evidence for an enamine radical cation in SOMO catalysis. <i>Chemical Communications</i> , 2011, 47, 3293.	4.1	20
46	Magnetic Coupling in Enantiomerically Pure Trinuclear Helicate-Type Complexes Formed by Hierarchical Self-Assembly. <i>Chemistry - A European Journal</i> , 2010, 16, 8797-8804.	3.3	19
47	Antisymbiotic Self-Assembly and Dynamic Behavior of Metallamacrocycles with Allylic Corners. <i>Chemistry - A European Journal</i> , 2010, 16, 13960-13964.	3.3	19
48	Ein achtkerniger metallosupramolekularer Warfel mit Spin-Crossover-Eigenschaften. <i>Angewandte Chemie</i> , 2017, 129, 5012-5017.	2.0	19
49	Protonation of 2 <i>i</i> -H-azaphosphirene Complexes: P-N Bond Activation and Ring-Expansion Reactions. <i>Chemistry - A European Journal</i> , 2009, 15, 2602-2616.	3.3	18
50	3D Au-Ag heterometallic supramolecular cage: Triplet capture by heavy atom effect. <i>Inorganica Chimica Acta</i> , 2012, 381, 195-202.	2.4	16
51	Kinetic Mechanistic Insights on the Assembling Dynamics of Allyl-Cornered Metallacycles: The P-N Bond is the Keystone. <i>Chemistry - A European Journal</i> , 2014, 20, 14473-14487.	3.3	16
52	Strong Evidence of a Phosphanoxy Complex: Formation, Bonding, and Reactivity of Ligated Phosphorus Analogues of Nitroxides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14439-14443.	13.8	14
53	Solid-Phase Synthesis of a Double 4-Pyridinyl Terminated Leu-Ala-Leu Tripeptide and Macrocyclization by Palladium(II) Coordination. <i>Synlett</i> , 2004, 2004, 2821-2823.	1.8	13
54	Gas-phase H/D exchange of the protonated serine octamer cluster: a model of populations A and B. <i>International Journal of Mass Spectrometry</i> , 2006, 249-250, 473-476.	1.5	13

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55	Dynamische Komplex- und Komplex-Umwandlungen von heterobimetallischen Systemen und ihr Einfluss auf die Käfigstruktur oder den Spinzustand von Eisen(II)-Ionen. <i>Angewandte Chemie</i> , 2020, 132, 3221-3226.	2.0	13
56	Electron capture dissociation of a self-assembled tetranuclear metallosupramolecular complex in the gas phase. <i>International Journal of Mass Spectrometry</i> , 2013, 354-355, 152-158.	1.5	12
57	Distribution, Ecology, Chemistry and Toxicology of Plant Stinging Hairs. <i>Toxins</i> , 2021, 13, 141.	3.4	12
58	A new charge-tagged proline-based organocatalyst for mechanistic studies using electrospray mass spectrometry. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2027-2037.	2.2	11
59	A Cholesterol Containing pH-Sensitive Bistable [2]Rotaxane. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5966-5978.	2.4	11
60	Chemistry and Analysis of Organic Compounds in Dinosaurs. <i>Biology</i> , 2022, 11, 670.	2.8	11
61	Bond Dissociation Energies of Metallo-supramolecular Building Blocks: Insight from Fragmentation of Selectively Self-Assembled Heterometallic Metallo-supramolecular Aggregates. <i>Inorganic Chemistry</i> , 2018, 57, 7346-7354.	4.0	10
62	Chiral hydrogen-bonded supramolecular capsules: synthesis, characterization and complexation of C ₇₀ . <i>Chemical Communications</i> , 2019, 55, 3298-3301.	4.1	9
63	Styrene Polymerization under Ambient Conditions by using a Transient 1,3,2-Diazaphospholane-Oxyl Complex. <i>Chemistry - A European Journal</i> , 2018, 24, 6473-6478.	3.3	8
64	Investigations of the Copper-Catalyzed Oxidative Cross-Coupling of Tetrahydroisoquinolines with Diethylzinc by a Combination of Mass Spectrometric and Electrochemical Methods. <i>Chemistry - A European Journal</i> , 2018, 24, 2663-2668.	3.3	7
65	Iron Azides with Cyclam-Derived Ligands: Are They Precursors for High-Valent Iron Nitrides in the Gas Phase?. <i>ChemPlusChem</i> , 2013, 78, 1053-1057.	2.8	6
66	Eine Familie von Heterobimetallischen Wärfeln zeigt Spin-Crossover-Verhalten nahe Raumtemperatur. <i>Angewandte Chemie</i> , 2021, 133, 22736-22743.	2.0	6
67	Synthesis of hydroxyl-functionalized N-heterocyclic carbene gold(i) complexes and peptide conjugates. <i>Dalton Transactions</i> , 2017, 46, 2988-2997.	3.3	5
68	Mechanistic studies of an L-proline-catalyzed pyridazine formation involving a Diels-Alder reaction with inverse electron demand. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 30-43.	2.2	5
69	Self-Assembled, Highly Positively Charged, Allyl-Pd Crowns: Cavity-Pocket-Driven Interactions of Fluoroanions. <i>Chemistry - A European Journal</i> , 2020, 26, 7847-7860.	3.3	5
70	Starker Hinweis auf einen Phosphanoxyllkomplex: Bildung, Bindung und Reaktivität komplexgebundener P-Analoga von Nitroxiden. <i>Angewandte Chemie</i> , 2016, 128, 14654-14658.	2.0	4
71	<i>N</i> -Methylimidazolidinone organocatalysts: gas-phase fragmentations of radical cations by experiment and theory. <i>Journal of Mass Spectrometry</i> , 2017, 52, 452-458.	1.6	4
72	[2.2]Paracyclophane bis(pyridine)-based metallosupramolecular rhombs in the gas phase: Competitive cleavage of non-covalent and weak covalent bonds. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2007-2013.	2.8	3

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73	A heterobimetallic tetrahedron from a linear platinum(II)-bis(acetylide) metalloligand. Beilstein Journal of Organic Chemistry, 2020, 16, 2701-2708.	2.2	3
74	Gas-phase fragmentations of <i>N</i> -methylimidazolidinone organocatalysts. Journal of Mass Spectrometry, 2017, 52, 367-371.	1.6	2
75	Charge-State-Dependent Fragmentation of [2.2]Based Metallosupramolecular Cyclic Helicates in the Gas Phase. ChemPlusChem, 2020, 85, 2528-2533.	2.8	1
76	Oxidative Degradation of Small Cationic Vanadium Clusters by Molecular Oxygen: On the Way from V^{+n} ($n = 2-5$) to VO^{+m} ($m = 1, 2$).. ChemInform, 2003, 34, no.	0.0	0
77	Probing the gas-phase structure of charge-tagged intermediates of a proline catalyzed aldol reaction – vibrational spectroscopy distinguishes oxazolidinone from enamine species. Physical Chemistry Chemical Physics, 2019, 21, 2578-2586.	2.8	0