

Markus Rohdenburg

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electron-Induced Decomposition of Different Silver(I) Complexes: Implications for the Design of Precursors for Focused Electron Beam Induced Deposition. <i>Nanomaterials</i> , 2022, 12, 1687.	4.1	3
2	Role of low-energy electrons in the solubility switch of Zn-based oxocluster photoresist for extreme ultraviolet lithography. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16646-16657.	2.8	15
3	Gaseous cyclodextrin- <i>clos</i> -dodecaborate complexes $[B_{12}X_{12}]^{2-}$ ($\hat{I} = \hat{I}^{\pm}, \hat{I}^2$, and \hat{I}^3 ; X = F, Cl, Br, and I): electronic structures and intramolecular interactions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13447-13457.		8
4	Electron-induced chemistry fundamental to state-of-the-art nanotechnology. , 2021, , .		1
5	Relevance of σ -Backbonding for the Reactivity of Electrophilic Anions $[B_{12}X_{11}]^{\hat{I}^{\pm}}$ (X=F, Cl, Br, I, CN). <i>Chemistry - A European Journal</i> , 2021, 27, 10274-10281.	3.3	15
6	Anion-Selected Molecular Fragments on Surfaces. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24910-24914.	13.8	18
7	σ -Conjugated stannole copolymers synthesised by a tin-selective Stille cross-coupling reaction. <i>Materials Advances</i> , 2021, 2, 3282-3293.	5.4	2
8	Isolated $[B_2(CN)_6]^{2-}$: Small Yet Exceptionally Stable Nonmetal Dianion. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12005-12011.	4.6	2
9	Efficient NH ₃ -based process to remove chlorine from electron beam deposited ruthenium produced from (i-3-C3H5)Ru(CO)3Cl. <i>Scientific Reports</i> , 2020, 10, 10901.	3.3	17
10	Water-Assisted Process for Purification of Ruthenium Nanomaterial Fabricated by Electron Beam Induced Deposition. <i>ACS Applied Nano Materials</i> , 2020, 3, 8352-8364.	5.0	14
11	Properties of gaseous <i>clos</i> - $[B_6X_6]^{2-}$ dianions (X = Cl, Br, I). <i>Chemical Communications</i> , 2020, 56, 9775-9778.	2.8	12
12	Aggregation induced emission emissive stannoles in the solid state. <i>Chemical Communications</i> , 2020, 56, 9775-9778.	4.1	10
13	Direct functionalization of C-H bonds by electrophilic anions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23374-23379.	7.1	21
14	Combined Ammonia and Electron Processing of a Carbon-Rich Ruthenium Nanomaterial Fabricated by Electron-Induced Deposition. <i>Micromachines</i> , 2020, 11, 769.	2.9	5
15	Ultrathin Carbon Nanomembranes from 5,10,15,20-Tetraphenylporphyrin: Electron Beam Induced Fabrication and Functionalization via Focused Electron Beam Induced Processing. <i>Journal of Physical Chemistry C</i> , 2020, 124, 28335-28344.	3.1	2
16	New Perspectives in the Noble Gas Chemistry Opened by Electrophilic Anions. <i>Frontiers in Chemistry</i> , 2020, 8, 580295.	3.6	6
17	Experimental and Theoretical Studies of a Spirostannole and Formation of a Pentaorganostannate. <i>Molecules</i> , 2020, 25, 4993.	3.8	2
18	First steps towards a stable neon compound: observation and bonding analysis of $[B_{12}(CN)_{11}Ne]^{\hat{I}^{\pm}}$. <i>Chemical Communications</i> , 2020, 56, 4591-4594.	4.1	26

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19	Cisplatin as a Potential Platinum Focused Electron Beam Induced Deposition Precursor: NH ₃ Ligands Enhance the Electron-Induced Removal of Chlorine. <i>Journal of Physical Chemistry C</i> , 2019, 123, 21774-21787.	3.1	22
20	Rational design of an argon-binding superelectrophilic anion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8167-8172.	7.1	69
21	Gas phase fragmentation of adducts between dioxygen and closo-borate radical anions. <i>International Journal of Mass Spectrometry</i> , 2019, 436, 71-78.	1.5	5
22	Tuning the Optoelectronic Properties of Stannoles by the Judicious Choice of the Organic Substituents. <i>Inorganic Chemistry</i> , 2018, 57, 12562-12575.	4.0	20
23	Electron-driven and thermal chemistry during water-assisted purification of platinum nanomaterials generated by electron beam induced deposition. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 77-90.	2.8	19
24	Rhenium(I) Triscarbonyl Complexes with Redox-Active Amino- and Iminopyridine Ligands: Metal-Ligand Cooperation as Trigger for the Reversible Binding of CO ₂ via a Dearomatization/Rearomatization Reaction Sequence. <i>Organometallics</i> , 2017, 36, 839-848.	2.3	25
25	Titelbild: Superelektrophiles Verhalten eines Anions demonstriert durch spontane Bindung von Edelgasen an [B ₁₂ Cl ₁₁] ⁻ (Angew. Chem. 27/2017). <i>Angewandte Chemie</i> , 2017, 129, 7789-7789.	2.0	0
26	Superelectrophilic Behavior of an Anion Demonstrated by the Spontaneous Binding of Noble Gases to [B ₁₂ Cl ₁₁] ⁻ . <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7980-7985.	13.8	55
27	Superelektrophiles Verhalten eines Anions demonstriert durch spontane Bindung von Edelgasen an [B ₁₂ Cl ₁₁] ⁻ . <i>Angewandte Chemie</i> , 2017, 129, 8090-8096.	2.0	17
28	Role of NH ₃ in the Electron-Induced Reactions of Adsorbed and Solid Cisplatin. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4112-4120.	3.1	18
29	Anion-Anion Chemistry with Mass-Selected Molecular Fragments on Surfaces. <i>Angewandte Chemie</i> , 0, , .	2.0	0