Eva Bladt

List of Publications by Year
in descending order

35 papers	3,839 citations	257450 24 h-index	345221 36 g-index
41 all docs	41 docs citations	41 times ranked	5514 citing authors

#	Article	IF	Citations
1	Fast versus conventional HAADF-STEM tomography of nanoparticles: advantages and challenges. Ultramicroscopy, 2021, 221, 113191.	1.9	17
2	State of the Art and Prospects for Halide Perovskite Nanocrystals. ACS Nano, 2021, 15, 10775-10981.	14.6	705
3	Shape Control Beyond the Seeds in Gold Nanoparticles. Chemistry of Materials, 2021, 33, 9152-9164.	6.7	4
4	Novel Approaches for Electron Tomography to Investigate the Structure and Stability of Nanomaterials in 3 Dimensions.. Microscopy and Microanalysis, 2020, 26, 1128-1130.	0.4	1
5	Nanocrystals of Lead Chalcohalides: A Series of Kinetically Trapped Metastable Nanostructures. Journal of the American Chemical Society, 2020, 142, 10198-10211.	13.7	34
6	Manganâ€Dotierung von Perowskitâ€Nanokristallen: QuanteneinschrÃnkung Aufgrund von Ruddlesdenâ€Popperâ€Defekten. Angewandte Chemie, 2020, 132, 6860-6865.	2.0	7
7	Manganeseâ€Dopingâ€Induced Quantum Confinement within Host Perovskite Nanocrystals through Ruddlesdenâ€“Popper Defects. Angewandte Chemie - International Edition, 2020, 59, 6794-6799.	13.8	72
8	Quantitative 3D Characterization of Elemental Diffusion Dynamics in Individual Ag@Au Nanoparticles with Different Shapes. ACS Nano, 2019, 13, 13421-13429.	14.6	37
9	Thermal Stability of Gold/Palladium Octopods Studied <i>in Situ</i> in 3D: Understanding Design Rules for Thermally Stable Metal Nanoparticles. ACS Nano, 2019, 13, 6522-6530.	14.6	51
10	Fully Inorganic Ruddlesdenâ€“Popper Double Clâ€“I and Triple Clâ€“Brâ€“I Lead Halide Perovskite Nanocrystals. Chemistry of Materials, 2019, 31, 2182-2190.	6.7	60
11	A Facetâ€Specific Quantum Dot Passivation Strategy for Colloid Management and Efficient Infrared Photovoltaics. Advanced Materials, 2019, 31, e1805580.	21.0	87
12	Disconnecting Symmetry Breaking from Seeded Growth for the Reproducible Synthesis of High Quality Gold Nanorods. ACS Nano, 2019, 13, 4424-4435.	14.6	113
13	Imaging Heterogeneously Distributed Photoâ€Active Traps in Perovskite Single Crystals. Advanced Materials, 2018, 30, e1705494.	21.0	28
14	Interplay between Surface Chemistry, Precursor Reactivity, and Temperature Determines Outcome of ZnS Shelling Reactions on CuInS₂ Nanocrystals. Chemistry of Materials, 2018, 30, 2400-2413.	6.7	85
15	3D characterization of heat-induced morphological changes of Au nanostars by fast <i>in situ</i> electron tomography. Nanoscale, 2018, 10, 22792-22801.	5.6	56
16	Chemical Cutting of Perovskite Nanowires into Singleâ€Photon Emissive Lowâ€Aspectâ€Ratio CsPbX₃ (X=Cl, Br, I) Nanorods. Angewandte Chemie, 2018, 130, 16326-16330.	2.0	32
17	Chemical Cutting of Perovskite Nanowires into Singleâ€Photon Emissive Lowâ€Aspectâ€Ratio CsPbX₃ (X=Cl, Br, I) Nanorods. Angewandte Chemie - International Edition, 2018, 57, 16094-16098.	13.8	79
18	Interfacial Oxidation and Photoluminescence of InP-Based Core/Shell Quantum Dots. Chemistry of Materials, 2018, 30, 6877-6883.	6.7	78

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19	Dopant-induced electron localization drives CO2 reduction to C2 hydrocarbons. Nature Chemistry, 2018, 10, 974-980.	13.6	781
20	Spontaneous Selfâ€Assembly of Perovskite Nanocrystals into Electronically Coupled Supercrystals: Toward Filling the Green Gap. Advanced Materials, 2018, 30, e1801117.	21.0	163
21	Facile Morphologyâ€Controlled Synthesis of Organolead Iodide Perovskite Nanocrystals Using Binary Capping Agents. ChemNanoMat, 2017, 3, 223-227.	2.8	18
22	Artifact Reduction Based on Sinogram Interpolation for the 3D Reconstruction of Nanoparticles Using Electron Tomography. Particle and Particle Systems Characterization, 2017, 34, 1700287.	2.3	3
23	Improving the Redox Response Stability of Ceria-Zirconia Nanocatalysts under Harsh Temperature Conditions. Chemistry of Materials, 2017, 29, 9340-9350.	6.7	21
24	Von VorlÃuferpulvern zu CsPbX₃â€Perowskitâ€NanodrÃhten: Eintopfreaktion, Wachstumsmechanismus und gerichtete Selbstassemblierung. Angewandte Chemie, 2017, 129, 14075-14080.	2.0	24
25	From Precursor Powders to CsPbX₃ Perovskite Nanowires: Oneâ€Pot Synthesis, Growth Mechanism, and Oriented Selfâ€Assembly. Angewandte Chemie - International Edition, 2017, 56, 13887-13892.	13.8	249
26	Phase formation and texture of thin nickel germanides on Ge(001) and Ge(111). Journal of Applied Physics, 2016, 119, .	2.5	16
27	Highly Luminescent Cesium Lead Halide Perovskite Nanocrystals with Tunable Composition and Thickness by Ultrasonication. Angewandte Chemie - International Edition, 2016, 55, 13887-13892.	13.8	615
28	Starke Lumineszenz in Nanokristallen aus Caesiumbleihalogenidâ€•Perowskit mit durchstimmbarer Zusammensetzung und Dicke mittels Ultraschalldispersion. Angewandte Chemie, 2016, 128, 14091-14096.	2.0	54
29	Radiative and Nonradiative Recombination in CuInS₂ Nanocrystals and CuInS₂-Based Core/Shell Nanocrystals. Journal of Physical Chemistry Letters, 2016, 7, 3503-3509.	4.6	119
30	Atomic Structure of Wurtzite CdSe (Core)/CdS (Giant Shell) Nanobullets Related to Epitaxy and Growth. Journal of the American Chemical Society, 2016, 138, 14288-14293.	13.7	30
31	Electron tomography based on highly limited data using a neural network reconstruction technique. Ultramicroscopy, 2015, 158, 81-88.	1.9	26
32	Near-Infrared Emitting CuInSe₂/CuInS₂ Dot Core/Rod Shell Heteronanorods by Sequential Cation Exchange. ACS Nano, 2015, 9, 11430-11438.	14.6	104
33	Towards Quantitative EDX Results in 3 Dimensions. Microscopy and Microanalysis, 2014, 20, 766-767.	0.4	5
34	Conformal and Atomic Characterization of Ultrathin CdSe Platelets with a Helical Shape. Nano Letters, 2014, 14, 6257-6262.	9.1	46
35	Annular Dark-Field Transmission Electron Microscopy for Low Contrast Materials. Microscopy and Microanalysis, 2013, 19, 629-634.	0.4	7