

Eva Bladt

List of Publications by Year in descending order

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35
papers

3,839
citations

257450

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h-index

345221

36
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41
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41
docs citations

41
times ranked

5514
citing authors

#	ARTICLE	IF	CITATIONS
1	Dopant-induced electron localization drives CO ₂ reduction to C ₂ hydrocarbons. <i>Nature Chemistry</i> , 2018, 10, 974-980.	13.6	781
2	State of the Art and Prospects for Halide Perovskite Nanocrystals. <i>ACS Nano</i> , 2021, 15, 10775-10981.	14.6	705
3	Highly Luminescent Cesium Lead Halide Perovskite Nanocrystals with Tunable Composition and Thickness by Ultrasonication. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13887-13892.	13.8	615
4	From Precursor Powders to CsPbX ₃ Perovskite Nanowires: One-Pot Synthesis, Growth Mechanism, and Oriented Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13887-13892.	13.8	249
5	Spontaneous Self-Assembly of Perovskite Nanocrystals into Electronically Coupled Supercrystals: Toward Filling the Green Gap. <i>Advanced Materials</i> , 2018, 30, e1801117.	21.0	163
6	Radiative and Nonradiative Recombination in CuInS ₂ Nanocrystals and CuInS ₂ -Based Core/Shell Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3503-3509.	4.6	119
7	Disconnecting Symmetry Breaking from Seeded Growth for the Reproducible Synthesis of High Quality Gold Nanorods. <i>ACS Nano</i> , 2019, 13, 4424-4435.	14.6	113
8	Near-Infrared Emitting CuInSe ₂ /CuInS ₂ Dot Core/Rod Shell Heteronanorods by Sequential Cation Exchange. <i>ACS Nano</i> , 2015, 9, 11430-11438.	14.6	104
9	A Facet-Specific Quantum Dot Passivation Strategy for Colloid Management and Efficient Infrared Photovoltaics. <i>Advanced Materials</i> , 2019, 31, e1805580.	21.0	87
10	Interplay between Surface Chemistry, Precursor Reactivity, and Temperature Determines Outcome of ZnS Shelling Reactions on CuInS ₂ Nanocrystals. <i>Chemistry of Materials</i> , 2018, 30, 2400-2413.	6.7	85
11	Chemical Cutting of Perovskite Nanowires into Single-Photon Emissive Low-Aspect-Ratio CsPbX ₃ (X=Cl, Br, I) Nanorods. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16094-16098.	13.8	79
12	Interfacial Oxidation and Photoluminescence of InP-Based Core/Shell Quantum Dots. <i>Chemistry of Materials</i> , 2018, 30, 6877-6883.	6.7	78
13	Manganese-Doping-Induced Quantum Confinement within Host Perovskite Nanocrystals through Ruddlesden-Popper Defects. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6794-6799.	13.8	72
14	Fully Inorganic Ruddlesden-Popper Double Cl ⁻ I and Triple Cl ⁻ Br ⁻ I Lead Halide Perovskite Nanocrystals. <i>Chemistry of Materials</i> , 2019, 31, 2182-2190.	6.7	60
15	3D characterization of heat-induced morphological changes of Au nanostars by fast <i>in situ</i> electron tomography. <i>Nanoscale</i> , 2018, 10, 22792-22801.	5.6	56
16	Starke Lumineszenz in Nanokristallen aus Caesiumbleihalogenid-Perowskit mit durchstimmbarer Zusammensetzung und Dicke mittels Ultraschalldispersion. <i>Angewandte Chemie</i> , 2016, 128, 14091-14096.	2.0	54
17	Thermal Stability of Gold/Palladium Octopods Studied <i>in Situ</i> in 3D: Understanding Design Rules for Thermally Stable Metal Nanoparticles. <i>ACS Nano</i> , 2019, 13, 6522-6530.	14.6	51
18	Conformal and Atomic Characterization of Ultrathin CdSe Platelets with a Helical Shape. <i>Nano Letters</i> , 2014, 14, 6257-6262.	9.1	46

#	ARTICLE	IF	CITATIONS
19	Quantitative 3D Characterization of Elemental Diffusion Dynamics in Individual Ag@Au Nanoparticles with Different Shapes. ACS Nano, 2019, 13, 13421-13429.	14.6	37
20	Nanocrystals of Lead Chalcogenides: A Series of Kinetically Trapped Metastable Nanostructures. Journal of the American Chemical Society, 2020, 142, 10198-10211.	13.7	34
21	Chemical Cutting of Perovskite Nanowires into Single-Photon Emissive Low-Aspect-Ratio CsPbX ₃ (X=Cl, Br, I) Nanorods. Angewandte Chemie, 2018, 130, 16326-16330.	2.0	32
22	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
23	Imaging Heterogeneously Distributed Photo-Active Traps in Perovskite Single Crystals. Advanced Materials, 2018, 30, e1705494.	21.0	28
24	Electron tomography based on highly limited data using a neural network reconstruction technique. Ultramicroscopy, 2015, 158, 81-88.	1.9	26
25	Von Vorläuferpulvern zu CsPbX ₃ -Perowskit-Nanodrähten: Eintopfreaktion, Wachstumsmechanismus und gerichtete Selbstassemblierung. Angewandte Chemie, 2017, 129, 14075-14080.	2.0	24
26	Improving the Redox Response Stability of Ceria-Zirconia Nanocatalysts under Harsh Temperature Conditions. Chemistry of Materials, 2017, 29, 9340-9350.	6.7	21
27	Facile Morphology-Controlled Synthesis of Organolead Iodide Perovskite Nanocrystals Using Binary Capping Agents. ChemNanoMat, 2017, 3, 223-227.	2.8	18
28	Fast versus conventional HAADF-STEM tomography of nanoparticles: advantages and challenges. Ultramicroscopy, 2021, 221, 113191.	1.9	17
29	Phase formation and texture of thin nickel germanides on Ge(001) and Ge(111). Journal of Applied Physics, 2016, 119, .	2.5	16
30	Annular Dark-Field Transmission Electron Microscopy for Low Contrast Materials. Microscopy and Microanalysis, 2013, 19, 629-634.	0.4	7
31	Mangan-Dotierung von Perowskit-Nanokristallen: Quanteneinschränkung Aufgrund von Ruddlesden-Popper-Defekten. Angewandte Chemie, 2020, 132, 6860-6865.	2.0	7
32	Towards Quantitative EDX Results in 3 Dimensions. Microscopy and Microanalysis, 2014, 20, 766-767.	0.4	5
33	Shape Control Beyond the Seeds in Gold Nanoparticles. Chemistry of Materials, 2021, 33, 9152-9164.	6.7	4
34	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
35	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