Liberato Manna

List of Publications by Year
in descending order

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439 papers	52,847 citations	1371 108 h-index	1505 219 g-index
463 all docs	463 docs citations	463 times ranked	37825 citing authors

#	Article	IF	Citations
1	Bottom-up synthesis of nanosized objects. , 2022, , 85-123.		1
2	Mixed Dimethylammonium/Methylammonium Lead Halide Perovskite Crystals for Improved Structural Stability and Enhanced Photodetection. Advanced Materials, 2022, 34, e2106160.	21.0	18
3	The Reactivity of CsPbBr₃ Nanocrystals toward Acid/Base Ligands. ACS Nano, 2022, 16, 1444-1455.	14.6	33
4	Red-emissive nanocrystals of Cs₄Mn_xCd_{1â^'x}Sb₂Cl₁₂ layered perovskites. Nanoscale, 2022, 14, 305-311.	5.6	6
5	Control of electronic band profiles through depletion layer engineering in coreâ€“shell nanocrystals. Nature Communications, 2022, 13, 537.	12.8	27
6	Exploiting the Transformative Features of Metal Halides for the Synthesis of CsPbBr₃@SiO₂ Coreâ€“Shell Nanocrystals. Chemistry of Materials, 2022, 34, 405-413.	6.7	29
7	Recent Progress in Halide Perovskite Radiation Detectors for Gamma-Ray Spectroscopy. ACS Energy Letters, 2022, 7, 1066-1085.	17.4	47
8	Magnetic Transitions and Energy Transfer Processes in Sb-Based Zero-Dimensional Metal Halide Nanocrystals Doped with Manganese. ACS Energy Letters, 2022, 7, 1566-1573.	17.4	21
9	Colloidal Bismuth Chalcohalide Nanocrystals. Angewandte Chemie, 2022, 134, .	2.0	5
10	Colloidal Bismuth Chalcohalide Nanocrystals. Angewandte Chemie - International Edition, 2022, 61, .	13.8	17
11	Stable CsPbBr₃ Nanoclusters Feature a Disk-like Shape and a Distorted Orthorhombic Structure. Journal of the American Chemical Society, 2022, 144, 5059-5066.	13.7	16
12	Transition metal dichalcogenides as catalysts for the hydrogen evolution reaction: The emblematic case of â€œinertâ€•ZrSe₂ as catalyst for electrolyzers. Nano Select, 2022, 3, 1069-1081.	3.7	6
13	Topochemical Transformation of Two-Dimensional VSe₂ into Metallic Nonlayered VO₂ for Water Splitting Reactions in Acidic and Alkaline Media. ACS Nano, 2022, 16, 351-367.	14.6	23
14	Halide perovskites and perovskite related materials for particle radiation detection. Nanoscale, 2022, 14, 6743-6760.	5.6	17
15	Cesium Manganese Bromide Nanocrystal Sensitizers for Broadband Vis-to-NIR Downshifting. ACS Energy Letters, 2022, 7, 1850-1858.	17.4	30
16	ZnCl₂ Mediated Synthesis of InAs Nanocrystals with Aminoarsine. Journal of the American Chemical Society, 2022, 144, 10515-10523.	13.7	21
17	Fast Aâ€Site Cation Crossâ€Exchange at Room Temperature: Singleâ€to Doubleâ€and Tripleâ€Cation Halide Perovskite Nanocrystals. Angewandte Chemie - International Edition, 2022, 61, .	13.8	29
18	Generation of Free Carriers in MoSe₂ Monolayers Via Energy Transfer from CsPbBr₃ Nanocrystals. Advanced Optical Materials, 2022, 10, .	7.3	7

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19	Recent Progress in Mixed Aâ€Site Cation Halide Perovskite Thinâ€Films and Nanocrystals for Solar Cells and Lightâ€Emitting Diodes. Advanced Optical Materials, 2022, 10, .	7.3	47
20	Halide perovskites as disposable epitaxial templates for the phase-selective synthesis of lead sulfochloride nanocrystals. Nature Communications, 2022, 13, .	12.8	16
21	Leadâ€Free Double Perovskite Cs₂AgInCl₆. Angewandte Chemie, 2021, 133, 11696-11707.	2.0	36
22	Leadâ€Free Double Perovskite Cs₂AgInCl₆. Angewandte Chemie - International Edition, 2021, 60, 11592-11603.	13.8	168
23	Are There Good Alternatives to Lead Halide Perovskite Nanocrystals?. Nano Letters, 2021, 21, 6-9.	9.1	44
24	Aging of Self-Assembled Lead Halide Perovskite Nanocrystal Superlattices: Effects on Photoluminescence and Energy Transfer. ACS Nano, 2021, 15, 650-664.	14.6	46
25	Synthesis of yolkâ€“shell Co₃O₄/Co_{1â^'x}Ru_xO₂ microspheres featuring an enhanced electrocatalytic oxygen evolution activity in acidic medium. Journal of Materials Chemistry A, 2021, 9, 10385-10392.	10.3	11
26	Halide Perovskiteâ€“Lead Chalcohalide Nanocrystal Heterostructures. Journal of the American Chemical Society, 2021, 143, 1435-1446.	13.7	55
27	Multilayer Diffraction Reveals That Colloidal Superlattices Approach the Structural Perfection of Single Crystals. ACS Nano, 2021, 15, 6243-6256.	14.6	29
28	Mechanical switching of orientation-related photoluminescence in deep-blue 2D layered perovskite ensembles. Nanoscale, 2021, 13, 3948-3956.	5.6	4
29	Low-Temperature Molten Salts Synthesis: CsPbBr₃ Nanocrystals with High Photoluminescence Emission Buried in Mesoporous SiO₂. ACS Energy Letters, 2021, 6, 900-907.	17.4	68
30	0D Nanocrystals as Lightâ€Driven, Localized Chargeâ€Injection Sources for the Contactless Manipulation of Atomically Thin 2D Materials. Advanced Photonics Research, 2021, 2, 2000151.	3.6	9
31	Fluorination suppresses thermal quenching in perovskite QLEDs. Science China Chemistry, 2021, 64, 1113-1114.	8.2	0
32	Reversible Emission Tunability from 2Dâ€Layered Perovskites with Conjugated Organic Cations. Advanced Photonics Research, 2021, 2, 2100005.	3.6	10
33	Engineering the Optical Emission and Robustness of Metalâ€Halide Layered Perovskites through Ligand Accommodation. Advanced Materials, 2021, 33, e2008004.	21.0	23
34	Why Do We Care about Studying Transformations in Inorganic Nanocrystals?. Accounts of Chemical Research, 2021, 54, 1543-1544.	15.6	13
35	Intrinsic and Extrinsic Exciton Recombination Pathways in AgInS ₂ Colloidal Nanocrystals. Energy Material Advances, 2021, 2021, .	11.0	15
36	Sb-Doped Metal Halide Nanocrystals: A 0D versus 3D Comparison. ACS Energy Letters, 2021, 6, 2283-2292.	17.4	83

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37	Hollowing of MnO Nanocrystals Triggered by Metal Cation Replacement: Implications for the Electrocatalytic Oxygen Evolution Reaction. ACS Applied Nano Materials, 2021, 4, 5904-5911.	5.0	8
38	State of the Art and Prospects for Halide Perovskite Nanocrystals. ACS Nano, 2021, 15, 10775-10981.	14.6	705
39	Electrochemical p-Doping of CsPbBr₃ Perovskite Nanocrystals. ACS Energy Letters, 2021, 6, 2519-2525.	17.4	26
40	Understanding Thermal and Aâ€Thermal Trapping Processes in Lead Halide Perovskites Towards Effective Radiation Detection Schemes. Advanced Functional Materials, 2021, 31, 2104879.	14.9	20
41	Switchable Anion Exchange in Polymer-Encapsulated APbX₃ Nanocrystals Delivers Stable All-Perovskite White Emitters. ACS Energy Letters, 2021, 6, 2844-2853.	17.4	34
42	Guidelines for the characterization of metal halide nanocrystals. Trends in Chemistry, 2021, 3, 631-644.	8.5	9
43	Detection of Pb²⁺ traces in dispersion of Cs₄PbBr₆ nanocrystals by in situ liquid cell transmission electron microscopy. Nanoscale, 2021, 13, 2317-2323.	5.6	2
44	Metamorphoses of Cesium Lead Halide Nanocrystals. Accounts of Chemical Research, 2021, 54, 498-508.	15.6	39
45	Isolated [SbCl₆]^{3â€“} Octahedra Are the Only Active Emitters in Rb₇Sb₃Cl₁₆ Nanocrystals. ACS Energy Letters, 2021, 6, 3952-3959.	17.4	15
46	Fast Intrinsic Emission Quenching in Cs₄PbBr₆ Nanocrystals. Nano Letters, 2021, 21, 8619-8626.	9.1	16
47	Methylammonium Governs Structural and Optical Properties of Hybrid Lead Halide Perovskites through Dynamic Hydrogen Bonding. Chemistry of Materials, 2021, 33, 8524-8533.	6.7	14
48	Structure and Surface Passivation of Ultrathin Cesium Lead Halide Nanoplatelets Revealed by Multilayer Diffraction. ACS Nano, 2021, 15, 20341-20352.	14.6	17
49	Atmosphere-Induced Transient Structural Transformations of Pdâ€“Cu and Ptâ€“Cu Alloy Nanocrystals. Chemistry of Materials, 2021, 33, 8635-8648.	6.7	3
50	Core/Shell CdSe/CdS Boneâ€Shaped Nanocrystals with a Thick and Anisotropic Shell as Optical Emitters. Advanced Optical Materials, 2020, 8, 1901463.	7.3	12
51	Locating and Controlling the Zn Content in In(Zn)P Quantum Dots. Chemistry of Materials, 2020, 32, 557-565.	6.7	40
52	Cs₃Cu₄In₂Cl₁₃ Nanocrystals: A Perovskite-Related Structure with Inorganic Clusters at A Sites. Inorganic Chemistry, 2020, 59, 548-554.	4.0	16
53	Hidden in Plain Sight: The Overlooked Influence of the Cs⁺ Substructure on Transformations in Cesium Lead Halide Nanocrystals. ACS Energy Letters, 2020, 5, 3409-3414.	17.4	34
54	Colloidal Bi-Doped Cs₂Ag_{1â€“x}Na_xInCl₆ Nanocrystals: Undercoordinated Surface Cl Ions Limit their Light Emission Efficiency. , 2020, 2, 1442-1449.		41

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55	Robustness to High Temperatures of Al₂O₃-Coated CsPbBr₃ Nanocrystal Thin Films with High-Photoluminescence Quantum Yield for Light Emission. ACS Applied Nano Materials, 2020, 3, 8167-8175.	5.0	26
56	Microwaveâ€Induced Structural Engineering and Pt Trapping in 6Râ€TaS₂ for the Hydrogen Evolution Reaction. Small, 2020, 16, e2003372.	10.0	18
57	Alloy CsCd_xPb_{1â€“x}Br₃ Perovskite Nanocrystals: The Role of Surface Passivation in Preserving Composition and Blue Emission. Chemistry of Materials, 2020, 32, 10641-10652.	6.7	45
58	Stable and Size Tunable CsPbBr₃ Nanocrystals Synthesized with Oleylphosphonic Acid. Nano Letters, 2020, 20, 8847-8853.	9.1	92
59	Impact of local structure on halogen ion migration in layered methylammonium copper halide memory devices. Journal of Materials Chemistry A, 2020, 8, 17516-17526.	10.3	14
60	Bandgap determination from individual orthorhombic thin cesium lead bromide nanosheets by electron energy-loss spectroscopy. Nanoscale Horizons, 2020, 5, 1610-1617.	8.0	8
61	Efficient, fast and reabsorption-free perovskite nanocrystal-based sensitized plastic scintillators. Nature Nanotechnology, 2020, 15, 462-468.	31.5	226
62	Nanocrystals of Lead Chalcohalides: A Series of Kinetically Trapped Metastable Nanostructures. Journal of the American Chemical Society, 2020, 142, 10198-10211.	13.7	34
63	Compositional Tuning of Carrier Dynamics in Cs₂Na_{1â€“x}Ag_xBiCl₆ Double-Perovskite Nanocrystals. ACS Energy Letters, 2020, 5, 1840-1847.	17.4	63
64	Bright Blue Emitting Cu-Doped Cs₂ZnCl₄ Colloidal Nanocrystals. Chemistry of Materials, 2020, 32, 5897-5903.	6.7	63
65	Photoluminescence enhancement and high accuracy patterning of lead halide perovskite single crystals by MeV ion beam irradiation. Journal of Materials Chemistry C, 2020, 8, 9923-9930.	5.5	12
66	Developing Lattice Matched ZnMgSe Shells on InZnP Quantum Dots for Phosphor Applications. ACS Applied Nano Materials, 2020, 3, 3859-3867.	5.0	23
67	Metastable CdTe@HgTe Core@Shell Nanostructures Obtained by Partial Cation Exchange Evolve into Sintered CdTe Films Upon Annealing. Chemistry of Materials, 2020, 32, 2978-2985.	6.7	10
68	Transforming colloidal Cs₄PbBr₆ nanocrystals with poly(maleic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td intermediate heterostructures. Chemical Science, 2020, 11, 3986-3995.	7.4	59
69	Light-Driven Permanent Charge Separation across a Hybrid Zero-Dimensional/Two-Dimensional Interface. Journal of Physical Chemistry C, 2020, 124, 8000-8007.	3.1	14
70	Composition-, Size-, and Surface Functionalization-Dependent Optical Properties of Lead Bromide Perovskite Nanocrystals. Journal of Physical Chemistry Letters, 2020, 11, 2079-2085.	4.6	37
71	Permanent Lattice Compression of Lead-Halide Perovskite for Persistently Enhanced Optoelectronic Properties. ACS Energy Letters, 2020, 5, 642-649.	17.4	52
72	Octapod-Shaped CdSe Nanocrystals Hosting Pt with High Mass Activity for the Hydrogen Evolution Reaction. Chemistry of Materials, 2020, 32, 2420-2429.	6.7	26

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73	What Defines a Halide Perovskite?. ACS Energy Letters, 2020, 5, 604-610.	17.4	228
74	Temperature-Driven Transformation of CsPbBr₃ Nanoplatelets into Mosaic Nanotiles in Solution through Self-Assembly. Nano Letters, 2020, 20, 1808-1818.	9.1	66
75	Nano- and microscale apertures in metal films fabricated by colloidal lithography with perovskite nanocrystals. Nanotechnology, 2020, 31, 185304.	2.6	2
76	A robust and highly active hydrogen evolution catalyst based on Ru nanocrystals supported on vertically oriented Cu nanoplates. Journal of Materials Chemistry A, 2020, 8, 10787-10795.	10.3	13
77	Superlattices are Greener on the Other Side: How Light Transforms Self-Assembled Mixed Halide Perovskite Nanocrystals. ACS Energy Letters, 2020, 5, 1465-1473.	17.4	46
78	Directional Anisotropy of the Vibrational Modes in 2D-Layered Perovskites. ACS Nano, 2020, 14, 4689-4697.	14.6	69
79	Cation Exchange Protocols to Radiolabel Aqueous Stabilized ZnS, ZnSe, and CuFeS₂ Nanocrystals with ⁶⁴Cu for Dual Radioâ€•and Photoâ€Thermal Therapy. Advanced Functional Materials, 2020, 30, 2002362.	14.9	11
80	X-ray ptychographic mode of self-assembled CdSe/CdS octapod-shaped nanocrystals in thick polymers. Journal of Applied Crystallography, 2020, 53, 741-747.	4.5	2
81	Mechanochemical synthesis of inorganic halide perovskites: evolution of phase-purity, morphology, and photoluminescence. Journal of Materials Chemistry C, 2019, 7, 11406-11410.	5.5	58
82	Ruthenium-Decorated Cobalt Selenide Nanocrystals for Hydrogen Evolution. ACS Applied Nano Materials, 2019, 2, 5695-5703.	5.0	28
83	HfN Nanoparticles: An Unexplored Catalyst for the Electrocatalytic Oxygen Evolution Reaction. Angewandte Chemie, 2019, 131, 15610-15616.	2.0	9
84	HfN Nanoparticles: An Unexplored Catalyst for the Electrocatalytic Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2019, 58, 15464-15470.	13.8	31
85	Emissive Bi-Doped Double Perovskite Cs₂Ag_{1â€“x}Na_xInCl₆ Nanocrystals. ACS Energy Letters, 2019, 4, 1976-1982.	17.4	198
86	Wide-Angle X-ray Diffraction Evidence of Structural Coherence in CsPbBr₃ Nanocrystal Superlattices. , 2019, 1, 272-276.		45
87	Design of catalytically active porous gold structures from a bottom-up method: The role of metal traces in CO oxidation and oxidative coupling of methanol. Journal of Catalysis, 2019, 375, 279-286.	6.2	6
88	Alkyl Phosphonic Acids Deliver CsPbBr₃ Nanocrystals with High Photoluminescence Quantum Yield and Truncated Octahedron Shape. Chemistry of Materials, 2019, 31, 9140-9147.	6.7	125
89	Direct Quantification of Cu Vacancies and Spatial Localization of Surface Plasmon Resonances in Copper Phosphide Nanocrystals. , 2019, 1, 665-670.		13
90	Green-Emitting Powders of Zero-Dimensional Cs₄PbBr₆: Delineating the Intricacies of the Synthesis and the Origin of Photoluminescence. Chemistry of Materials, 2019, 31, 7761-7769.	6.7	62

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91	Ultrathin Orthorhombic PbS Nanosheets. Chemistry of Materials, 2019, 31, 8145-8153.	6.7	37
92	Tunable Near-Infrared Localized Surface Plasmon Resonance of F, In-Codoped CdO Nanocrystals. ACS Applied Materials & Interfaces, 2019, 11, 39921-39929.	8.0	31
93	Investigation into the Photoluminescence Red Shift in Cesium Lead Bromide Nanocrystal Superlattices. Journal of Physical Chemistry Letters, 2019, 10, 655-660.	4.6	86
94	Stable Ligand Coordination at the Surface of Colloidal CsPbBr₃ Nanocrystals. Journal of Physical Chemistry Letters, 2019, 10, 3715-3726.	4.6	77
95	Resurfacing halide perovskite nanocrystals. Science, 2019, 364, 833-834.	12.6	143
96	Large polaron evidence in the ultrafast THz response of Lead-Halide Perovskites. EPJ Web of Conferences, 2019, 205, 04019.	0.3	0
97	Ultrafast THz Probe of Photoinduced Polarons in Lead-Halide Perovskites. Physical Review Letters, 2019, 122, 166601.	7.8	98
98	Simultaneous Cationic and Anionic Ligand Exchange For Colloidally Stable CsPbBr₃ Nanocrystals. ACS Energy Letters, 2019, 4, 819-824.	17.4	173
99	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
100	Simple fabrication of layered halide perovskite platelets and enhanced photoluminescence from mechanically exfoliated flakes. Nanoscale, 2019, 11, 8334-8342.	5.6	31
101	O₂ as a molecular probe for nonradiative surface defects in CsPbBr₃ perovskite nanostructures and single crystals. Nanoscale, 2019, 11, 7613-7623.	5.6	35
102	Metal Halide Perovskite Nanocrystals: Synthesis, Post-Synthesis Modifications, and Their Optical Properties. Chemical Reviews, 2019, 119, 3296-3348.	47.7	1,181
103	CsPbX₃/SiO_x (X = Cl, Br, I) monoliths prepared via a novel solâ€“gel route starting from Cs₄PbX₆ nanocrystals. Nanoscale, 2019, 11, 18739-18745.	5.6	23
104	Trap-Mediated Two-Step Sensitization of Manganese Dopants in Perovskite Nanocrystals. ACS Energy Letters, 2019, 4, 85-93.	17.4	92
105	Broadband Defects Emission and Enhanced Ligand Raman Scattering in 0D Cs₃Bi₂I₉ Colloidal Nanocrystals. Advanced Functional Materials, 2019, 29, 1805299.	14.9	44
106	Revealing Photoluminescence Modulation from Layered Halide Perovskite Microcrystals upon Cyclic Compression. Advanced Materials, 2019, 31, e1805608.	21.0	16
107	Nanosized, Hollow, and Mn-Doped CeO₂/SiO₂ Catalysts via Galvanic Replacement: Preparation, Characterization, and Application as Highly Active Catalysts. ACS Applied Nano Materials, 2018, 1, 1438-1443.	5.0	15
108	Coating Evaporated MAPI Thin Films with Organic Molecules: Improved Stability at High Temperature and Implementation in High-Efficiency Solar Cells. ACS Energy Letters, 2018, 3, 835-839.	17.4	30

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109	Zero-Dimensional Cesium Lead Halides: History, Properties, and Challenges. Journal of Physical Chemistry Letters, 2018, 9, 2326-2337.	4.6	210
110	Genesis, challenges and opportunities for colloidal lead halide perovskite nanocrystals. Nature Materials, 2018, 17, 394-405.	27.5	1,632
111	Benzoyl Halides as Alternative Precursors for the Colloidal Synthesis of Lead-Based Halide Perovskite Nanocrystals. Journal of the American Chemical Society, 2018, 140, 2656-2664.	13.7	490
112	Role of Acidâ€“Base Equilibria in the Size, Shape, and Phase Control of Cesium Lead Bromide Nanocrystals. ACS Nano, 2018, 12, 1704-1711.	14.6	395
113	Lateral epitaxial heterojunctions in single nanowires fabricated by masked cation exchange. Nature Communications, 2018, 9, 505.	12.8	28
114	The Crucial Role of the Support in the Transformations of Bimetallic Nanoparticles and Catalytic Performance. ACS Catalysis, 2018, 8, 1031-1037.	11.2	31
115	Generating plasmonic heterostructures by cation exchange and redox reactions of covellite CuS nanocrystals with Au³⁺ ions. Nanoscale, 2018, 10, 2781-2789.	5.6	28
116	Understanding and tailoring ligand interactions in the self-assembly of branched colloidal nanocrystals into planar superlattices. Nature Communications, 2018, 9, 1141.	12.8	32
117	Planar Double-Epsilon-Near-Zero Cavities for Spontaneous Emission and Purcell Effect Enhancement. ACS Photonics, 2018, 5, 2287-2294.	6.6	65
118	Colloidal CsX (X = Cl, Br, I) Nanocrystals and Their Transformation to CsPbX₃ Nanocrystals by Cation Exchange. Chemistry of Materials, 2018, 30, 79-83.	6.7	67
119	Exfoliation of Few-Layer Black Phosphorus in Low-Boiling-Point Solvents and Its Application in Li-Ion Batteries. Chemistry of Materials, 2018, 30, 506-516.	6.7	93
120	Niâ€“Coâ€“Sâ€“Se Alloy Nanocrystals: Influence of the Composition on Their in Situ Transformation and Electrocatalytic Activity for the Oxygen Evolution Reaction. ACS Applied Nano Materials, 2018, 1, 5753-5762.	5.0	26
121	The Phosphine Oxide Route toward Lead Halide Perovskite Nanocrystals. Journal of the American Chemical Society, 2018, 140, 14878-14886.	13.7	136
122	Fe²⁺ Deficiencies, FeO Subdomains, and Structural Defects Favor Magnetic Hyperthermia Performance of Iron Oxide Nanocubes into Intracellular Environment. Nano Letters, 2018, 18, 6856-6866.	9.1	53
123	Shape-Pure, Nearly Monodispersed CsPbBr₃ Nanocubes Prepared Using Secondary Aliphatic Amines. Nano Letters, 2018, 18, 7822-7831.	9.1	132
124	Effects of Oxygen Plasma on the Chemical, Light-Emitting, and Electrical-Transport Properties of Inorganic and Hybrid Lead Bromide Perovskite Nanocrystal Films. ACS Applied Nano Materials, 2018, 1, 5396-5400.	5.0	8
125	Molecular Iodine for a General Synthesis of Binary and Ternary Inorganic and Hybrid Organicâ€“Inorganic Iodide Nanocrystals. Chemistry of Materials, 2018, 30, 6915-6921.	6.7	36
126	Colloidal Synthesis of Double Perovskite Cs₂AgInCl₆ and Mn-Doped Cs₂AgInCl₆ Nanocrystals. Journal of the American Chemical Society, 2018, 140, 12989-12995.	13.7	397

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127	Selective antimony reduction initiating the nucleation and growth of InSb quantum dots. Nanoscale, 2018, 10, 11110-11116.	5.6	11
128	Manipulating the morphology of the nano oxide domain in AuCuâ€“iron oxide dumbbell-like nanocomposites as a tool to modify magnetic properties. RSC Advances, 2018, 8, 22411-22421.	3.6	1
129	The Many â€œFacetsâ€•of Halide Ions in the Chemistry of Colloidal Inorganic Nanocrystals. Chemical Reviews, 2018, 118, 7804-7864.	47.7	209
130	Ab Initio Structure Determination of Cu_{2â€“x}Te Plasmonic Nanocrystals by Precession-Assisted Electron Diffraction Tomography and HAADF-STEM Imaging. Inorganic Chemistry, 2018, 57, 10241-10248.	4.0	25
131	Iron Oxide Colloidal Nanoclusters as Theranostic Vehicles and Their Interactions at the Cellular Level. Nanomaterials, 2018, 8, 315.	4.1	20
132	In situ LiFePO4 nano-particles grown on few-layer graphene flakes as high-power cathode nanohybrids for lithium-ion batteries. Nano Energy, 2018, 51, 656-667.	16.0	50
133	Triggering Cation Exchange Reactions by Doping. Journal of Physical Chemistry Letters, 2018, 9, 4895-4900.	4.6	12
134	In Situ Dynamic Nanostructuring of the Cuâ€“Ti Catalyst-Support System Promotes Hydrogen Evolution under Alkaline Conditions. ACS Applied Materials & Interfaces, 2018, 10, 29583-29592.	8.0	18
135	Metal-support interaction in catalysis: The influence of the morphology of a nano-oxide domain on catalytic activity. Applied Catalysis B: Environmental, 2018, 237, 753-762.	20.2	14
136	Tuning and Locking the Localized Surface Plasmon Resonances of CuS (Covellite) Nanocrystals by an Amorphous CuPd_xS Shell. Chemistry of Materials, 2017, 29, 1716-1723.	6.7	50
137	Colloidal Monolayer Î²-In₂Se₃ Nanosheets with High Photoresponsivity. Journal of the American Chemical Society, 2017, 139, 3005-3011.	13.7	105
138	In Situ Transmission Electron Microscopy Study of Electron Beam-Induced Transformations in Colloidal Cesium Lead Halide Perovskite Nanocrystals. ACS Nano, 2017, 11, 2124-2132.	14.6	246
139	Nearly Monodisperse Insulator Cs₄PbX₆ (X = Cl, Br, I) Nanocrystals, Their Mixed Halide Compositions, and Their Transformation into CsPbX₃ Nanocrystals. Nano Letters, 2017, 17, 1924-1930.	9.1	488
140	Plasmonic doped semiconductor nanocrystals: Properties, fabrication, applications and perspectives. Physics Reports, 2017, 674, 1-52.	25.6	252
141	Interplay of Internal Structure and Interfaces on the Emitting Properties of Hybrid ZnO Hierarchical Particles. ACS Applied Materials & Interfaces, 2017, 9, 15182-15191.	8.0	5
142	Role of Nonradiative Defects and Environmental Oxygen on Exciton Recombination Processes in CsPbBr₃ Perovskite Nanocrystals. Nano Letters, 2017, 17, 3844-3853.	9.1	101
143	Selective Fe Promotion on Au Nanoparticles: An Efficient Way to Activate Au/SiO₂ Catalysts for the CO Oxidation Reaction. ChemCatChem, 2017, 9, 2952-2960.	3.7	7
144	â€œQuantizedâ€•Doping of Individual Colloidal Nanocrystals Using Size-Focused Metal Quantum Clusters. ACS Nano, 2017, 11, 6233-6242.	14.6	21

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145	From CsPbBr₃ Nano-Inks to Sintered CsPbBr₃â€“CsPb₂Br₅ Films via Thermal Annealing: Implications on Optoelectronic Properties. Journal of Physical Chemistry C, 2017, 121, 11956-11961.	3.1	96
146	Goldâ€“iron oxide dimers for magnetic hyperthermia: the key role of chloride ions in the synthesis to boost the heating efficiency. Journal of Materials Chemistry B, 2017, 5, 4587-4594.	5.8	30
147	Role of the Crystal Structure in Cation Exchange Reactions Involving Colloidal Cu₂Se Nanocrystals. Journal of the American Chemical Society, 2017, 139, 9583-9590.	13.7	83
148	Ga for Zn Cation Exchange Allows for Highly Luminescent and Photostable InZnP-Based Quantum Dots. Chemistry of Materials, 2017, 29, 5192-5199.	6.7	50
149	Reversible Concentration-Dependent Photoluminescence Quenching and Change of Emission Color in CsPbBr₃ Nanowires and Nanoplatelets. Journal of Physical Chemistry Letters, 2017, 8, 2725-2729.	4.6	50
150	Dual Band Electrochromic Devices Based on Nb-Doped TiO₂ Nanocrystalline Electrodes. ACS Nano, 2017, 11, 3576-3584.	14.6	130
151	Changing the Dimensionality of Cesium Lead Bromide Nanocrystals by Reversible Postsynthesis Transformations with Amines. Chemistry of Materials, 2017, 29, 4167-4171.	6.7	142
152	Strongly emissive perovskite nanocrystal inks for high-voltage solar cells. Nature Energy, 2017, 2, .	39.5	544
153	Colloidal Synthesis of Bipolar Off-Stoichiometric Gallium Iron Oxide Spinel-Type Nanocrystals with Near-IR Plasmon Resonance. Journal of the American Chemical Society, 2017, 139, 1198-1206.	13.7	25
154	Solid State Intercalation, Deintercalation, and Cation Exchange in Colloidal 2D Bi₂Se₃ and Bi₂Te₃ Nanocrystals. Chemistry of Materials, 2017, 29, 1419-1429.	6.7	14
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