

# Liberato Manna

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

427  
papers

43,088  
citations

98  
h-index

200  
g-index

463  
ext. papers

48,008  
ext. citations

11.9  
avg, IF

7.7  
L-index

#	Paper	IF	Citations
427	The Reactivity of CsPbBr Nanocrystals toward Acid/Base Ligands.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	5
426	Control of electronic band profiles through depletion layer engineering in core-shell nanocrystals.. <i>Nature Communications</i> , <b>2022</b> , 13, 537	17.4	8
425	Exploiting the Transformative Features of Metal Halides for the Synthesis of CsPbBr <sub>3</sub> @SiO <sub>2</sub> CoreShell Nanocrystals. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 405-413	9.6	9
424	Bottom-up synthesis of nanosized objects <b>2022</b> , 85-123		1
423	Recent Progress in Halide Perovskite Radiation Detectors for Gamma-Ray Spectroscopy. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 1066-1085	20.1	9
422	Magnetic Transitions and Energy Transfer Processes in Sb-Based Zero-Dimensional Metal Halide Nanocrystals Doped with Manganese. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 1566-1573	20.1	5
421	Colloidal Bismuth Chalcogenide Nanocrystals.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	2
420	Halide perovskites and perovskite related materials for particle radiation detection.. <i>Nanoscale</i> , <b>2022</b> ,	7.7	4
419	Cesium Manganese Bromide Nanocrystal Sensitizers for Broadband Vis-to-NIR Downshifting. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 1850-1858	20.1	6
418	Structure and Surface Passivation of Ultrathin Cesium Lead Halide Nanoplatelets Revealed by Multilayer Diffraction. <i>ACS Nano</i> , <b>2021</b> ,	16.7	5
417	Atmosphere-Induced Transient Structural Transformations of Pd-Cu and Pt-Cu Alloy Nanocrystals. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 8635-8648	9.6	0
416	Mixed Dimethylammonium/Methylammonium Lead Halide Perovskite Single Crystals for Improved Structural Stability and Enhanced Photodetection. <i>Advanced Materials</i> , <b>2021</b> , e2106160	24	6
415	Fast Intrinsic Emission Quenching in CsPbBr Nanocrystals. <i>Nano Letters</i> , <b>2021</b> , 21, 8619-8626	11.5	5
414	Reversible Emission Tunability from 2D-Layered Perovskites with Conjugated Organic Cations. <i>Advanced Photonics Research</i> , <b>2021</b> , 2, 2100005	1.9	2
413	Engineering the Optical Emission and Robustness of Metal-Halide Layered Perovskites through Ligand Accommodation. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008004	24	7
412	Intrinsic and Extrinsic Exciton Recombination Pathways in AgInS <sub>2</sub> Colloidal Nanocrystals. <i>Energy Material Advances</i> , <b>2021</b> , 2021, 1-10	1	6
411	Sb-Doped Metal Halide Nanocrystals: A 0D versus 3D Comparison. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2283-2292	20.1	29

410	Hollowing of MnO Nanocrystals Triggered by Metal Cation Replacement: Implications for the Electrocatalytic Oxygen Evolution Reaction. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 5904-5911	5.6	3
409	State of the Art and Prospects for Halide Perovskite Nanocrystals. <i>ACS Nano</i> , <b>2021</b> , 15, 10775-10981	16.7	222
408	Electrochemical p-Doping of CsPbBr Perovskite Nanocrystals. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2519-2525	20.1	6
407	Lead-Free Double Perovskite Cs <sub>2</sub> AgInCl <sub>6</sub> . <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11696-11707	3.6	8
406	Lead-Free Double Perovskite Cs AgInCl. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11592-11603	16.4	50
405	Aging of Self-Assembled Lead Halide Perovskite Nanocrystal Superlattices: Effects on Photoluminescence and Energy Transfer. <i>ACS Nano</i> , <b>2021</b> , 15, 650-664	16.7	15
404	Synthesis of yolk-shell Co <sub>3</sub> O <sub>4</sub> /Co <sub>1-x</sub> Ru <sub>x</sub> O <sub>2</sub> microspheres featuring an enhanced electrocatalytic oxygen evolution activity in acidic medium. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 10385-10392	13	5
403	Halide Perovskite-Lead Chalcogenide Nanocrystal Heterostructures. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1435-1446	16.4	23
402	Multilayer Diffraction Reveals That Colloidal Superlattices Approach the Structural Perfection of Single Crystals. <i>ACS Nano</i> , <b>2021</b> , 15, 6243-6256	16.7	15
401	Mechanical switching of orientation-related photoluminescence in deep-blue 2D layered perovskite ensembles. <i>Nanoscale</i> , <b>2021</b> , 13, 3948-3956	7.7	1
400	Low-Temperature Molten Salts Synthesis: CsPbBr Nanocrystals with High Photoluminescence Emission Buried in Mesoporous SiO <sub>2</sub> . <i>ACS Energy Letters</i> , <b>2021</b> , 6, 900-907	20.1	29
399	0D Nanocrystals as Light-Driven, Localized Charge-Injection Sources for the Contactless Manipulation of Atomically Thin 2D Materials. <i>Advanced Photonics Research</i> , <b>2021</b> , 2, 2000151	1.9	6
398	Fluorination suppresses thermal quenching in perovskite QLEDs. <i>Science China Chemistry</i> , <b>2021</b> , 64, 1113-1114	7.1	14
397	Understanding Thermal and A-Thermal Trapping Processes in Lead Halide Perovskites Towards Effective Radiation Detection Schemes. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104879	15.6	7
396	Switchable Anion Exchange in Polymer-Encapsulated APbX Nanocrystals Delivers Stable All-Perovskite White Emitters. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2844-2853	20.1	13
395	Guidelines for the characterization of metal halide nanocrystals. <i>Trends in Chemistry</i> , <b>2021</b> , 3, 631-644	14.8	3
394	Detection of Pb traces in dispersion of CsPbBr nanocrystals by liquid cell transmission electron microscopy. <i>Nanoscale</i> , <b>2021</b> , 13, 2317-2323	7.7	1
393	Metamorphoses of Cesium Lead Halide Nanocrystals. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 498-508	24.3	16

392	Topochemical Transformation of Two-Dimensional VSe into Metallic Nonlayered VO for Water Splitting Reactions in Acidic and Alkaline Media.. <i>ACS Nano</i> , <b>2021</b> ,	16.7	3
391	Efficient, fast and reabsorption-free perovskite nanocrystal-based sensitized plastic scintillators. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 462-468	28.7	112
390	Nanocrystals of Lead Chalcogenides: A Series of Kinetically Trapped Metastable Nanostructures. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10198-10211	16.4	14
389	Compositional Tuning of Carrier Dynamics in CsNa Ag BiCl Double-Perovskite Nanocrystals. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 1840-1847	20.1	31
388	Bright Blue Emitting Cu-Doped CsZnCl Colloidal Nanocrystals. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 5897-5903	16.7	25
387	Photoluminescence enhancement and high accuracy patterning of lead halide perovskite single crystals by MeV ion beam irradiation. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 9923-9930	7.1	7
386	Developing Lattice Matched ZnMgSe Shells on InZnP Quantum Dots for Phosphor Applications. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 3859-3867	5.6	15
385	Metastable CdTe@HgTe Core@Shell Nanostructures Obtained by Partial Cation Exchange Evolve into Sintered CdTe Films Upon Annealing. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2978-2985	9.6	7
384	Transforming colloidal CsPbBr nanocrystals with poly(maleic anhydride--1-octadecene) into stable CsPbBr perovskite emitters through intermediate heterostructures. <i>Chemical Science</i> , <b>2020</b> , 11, 3986-3994	9.4	37
383	Light-Driven Permanent Charge Separation across a Hybrid Zero-Dimensional/Two-Dimensional Interface. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 8000-8007	3.8	7
382	Composition-, Size-, and Surface Functionalization-Dependent Optical Properties of Lead Bromide Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 2079-2085	6.4	25
381	Permanent Lattice Compression of Lead-Halide Perovskite for Persistently Enhanced Optoelectronic Properties. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 642-649	20.1	21
380	Octapod-Shaped CdSe Nanocrystals Hosting Pt with High Mass Activity for the Hydrogen Evolution Reaction. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2420-2429	9.6	18
379	What Defines a Halide Perovskite?. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 604-610	20.1	95
378	Temperature-Driven Transformation of CsPbBr Nanoplatelets into Mosaic Nanotiles in Solution through Self-Assembly. <i>Nano Letters</i> , <b>2020</b> , 20, 1808-1818	11.5	43
377	Nano- and microscale apertures in metal films fabricated by colloidal lithography with perovskite nanocrystals. <i>Nanotechnology</i> , <b>2020</b> , 31, 185304	3.4	1
376	A robust and highly active hydrogen evolution catalyst based on Ru nanocrystals supported on vertically oriented Cu nanoplates. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 10787-10795	13	8
375	Superlattices are Greener on the Other Side: How Light Transforms Self-Assembled Mixed Halide Perovskite Nanocrystals. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 1465-1473	20.1	24

374	X-ray ptychographic mode of self-assembled CdSe/CdS octapod-shaped nanocrystals in thick polymers. <i>Journal of Applied Crystallography</i> , <b>2020</b> , 53, 741-747	3.8	2
373	Core/Shell CdSe/CdS Bone-Shaped Nanocrystals with a Thick and Anisotropic Shell as Optical Emitters. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901463	8.1	7
372	Locating and Controlling the Zn Content in In(Zn)P Quantum Dots. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 557-565	5.6	21
371	CsCuInCl Nanocrystals: A Perovskite-Related Structure with Inorganic Clusters at A Sites. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 548-554	5.1	11
370	Hidden in Plain Sight: The Overlooked Influence of the Cs <sup>+</sup> Substructure on Transformations in Cesium Lead Halide Nanocrystals. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 3409-3414	20.1	18
369	Colloidal Bi-Doped CsAg Na InCl Nanocrystals: Undercoordinated Surface Cl Ions Limit their Light Emission Efficiency <b>2020</b> , 2, 1442-1449		19
368	Robustness to High Temperatures of AlO-Coated CsPbBr Nanocrystal Thin Films with High-Photoluminescence Quantum Yield for Light Emission. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 8167-8175	5.6	7
367	Microwave-Induced Structural Engineering and Pt Trapping in 6R-TaS for the Hydrogen Evolution Reaction. <i>Small</i> , <b>2020</b> , 16, e2003372	11	8
366	Alloy CsCd Pb Br Perovskite Nanocrystals: The Role of Surface Passivation in Preserving Composition and Blue Emission. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 10641-10652	9.6	18
365	Stable and Size Tunable CsPbBr Nanocrystals Synthesized with Oleylphosphonic Acid. <i>Nano Letters</i> , <b>2020</b> , 20, 8847-8853	11.5	36
364	Impact of local structure on halogen ion migration in layered methylammonium copper halide memory devices. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 17516-17526	13	7
363	Bandgap determination from individual orthorhombic thin cesium lead bromide nanosheets by electron energy-loss spectroscopy. <i>Nanoscale Horizons</i> , <b>2020</b> , 5, 1610-1617	10.8	3
362	Directional Anisotropy of the Vibrational Modes in 2D-Layered Perovskites. <i>ACS Nano</i> , <b>2020</b> , 14, 4689-4697	10.7	32
361	Cation Exchange Protocols to Radiolabel Aqueous Stabilized ZnS, ZnSe, and CuFeS Nanocrystals with Cu for Dual Radio- and Photo-Thermal Therapy. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002362	15.6	8
360	Green-Emitting Powders of Zero-Dimensional CsPbBr: Delineating the Intricacies of the Synthesis and the Origin of Photoluminescence. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 7761-7769	9.6	47
359	Ultrathin Orthorhombic PbS Nanosheets. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 8145-8153	9.6	25
358	Tunable Near-Infrared Localized Surface Plasmon Resonance of F, In-Codoped CdO Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 39921-39929	9.5	12
357	Investigation into the Photoluminescence Red Shift in Cesium Lead Bromide Nanocrystal Superlattices. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 655-660	6.4	45

356	Stable Ligand Coordination at the Surface of Colloidal CsPbBr Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 3715-3726	6.4	49
355	Resurfacing halide perovskite nanocrystals. <i>Science</i> , <b>2019</b> , 364, 833-834	33.3	98
354	Large polaron evidence in the ultrafast THz response of Lead-Halide Perovskites. <i>EPJ Web of Conferences</i> , <b>2019</b> , 205, 04019	0.3	
353	Ultrafast THz Probe of Photoinduced Polarons in Lead-Halide Perovskites. <i>Physical Review Letters</i> , <b>2019</b> , 122, 166601	7.4	56
352	Simultaneous Cationic and Anionic Ligand Exchange For Colloidally Stable CsPbBr <sub>3</sub> Nanocrystals. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 819-824	20.1	97
351	Fully Inorganic Ruddlesden-Popper Double Cl-I and Triple Cl-Br-I Lead Halide Perovskite Nanocrystals. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 2182-2190	9.6	49
350	Simple fabrication of layered halide perovskite platelets and enhanced photoluminescence from mechanically exfoliated flakes. <i>Nanoscale</i> , <b>2019</b> , 11, 8334-8342	7.7	16
349	O as a molecular probe for nonradiative surface defects in CsPbBr perovskite nanostructures and single crystals. <i>Nanoscale</i> , <b>2019</b> , 11, 7613-7623	7.7	26
348	Mechanochemical synthesis of inorganic halide perovskites: evolution of phase-purity, morphology, and photoluminescence. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 11406-11410	7.1	28
347	Ruthenium-Decorated Cobalt Selenide Nanocrystals for Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 5695-5703	5.6	17
346	HfN Nanoparticles: An Unexplored Catalyst for the Electrocatalytic Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 15610-15616	3.6	5
345	HfN Nanoparticles: An Unexplored Catalyst for the Electrocatalytic Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15464-15470	16.4	18
344	Emissive Bi-Doped Double Perovskite Cs <sub>2</sub> AgIn <sub>1-x</sub> NaxInCl <sub>6</sub> Nanocrystals. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1976-1982	10.8	109
343	Wide-Angle X-ray Diffraction Evidence of Structural Coherence in CsPbBr Nanocrystal Superlattices <b>2019</b> , 1, 272-276		21
342	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. <i>Journal of Catalysis</i> , <b>2019</b> , 375, 279-286	7.3	4
341	Alkyl Phosphonic Acids Deliver CsPbBr <sub>3</sub> Nanocrystals with High Photoluminescence Quantum Yield and Truncated Octahedron Shape. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 9140-9147	9.6	73
340	Direct Quantification of Cu Vacancies and Spatial Localization of Surface Plasmon Resonances in Copper Phosphide Nanocrystals <b>2019</b> , 1, 665-670		6
339	Metal Halide Perovskite Nanocrystals: Synthesis, Post-Synthesis Modifications, and Their Optical Properties. <i>Chemical Reviews</i> , <b>2019</b> , 119, 3296-3348	68.1	712

338	CsPbX/SiO (X = Cl, Br, I) monoliths prepared via a novel sol-gel route starting from CsPbX nanocrystals. <i>Nanoscale</i> , <b>2019</b> , 11, 18739-18745	7.7	13
337	Trap-Mediated Two-Step Sensitization of Manganese Dopants in Perovskite Nanocrystals. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 85-93	20.1	60
336	Broadband Defects Emission and Enhanced Ligand Raman Scattering in 0D Cs <sub>3</sub> Bi <sub>2</sub> I <sub>9</sub> Colloidal Nanocrystals. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1805299	15.6	31
335	Revealing Photoluminescence Modulation from Layered Halide Perovskite Microcrystals upon Cyclic Compression. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805608	24	12
334	Nanosized, Hollow, and Mn-Doped CeO <sub>2</sub> /SiO <sub>2</sub> Catalysts via Galvanic Replacement: Preparation, Characterization, and Application as Highly Active Catalysts. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 1438-1443	5.6	12
333	Coating Evaporated MAPI Thin Films with Organic Molecules: Improved Stability at High Temperature and Implementation in High-Efficiency Solar Cells. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 835-839	20.1	21
332	Zero-Dimensional Cesium Lead Halides: History, Properties, and Challenges. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 2326-2337	6.4	158
331	Genesis, challenges and opportunities for colloidal lead halide perovskite nanocrystals. <i>Nature Materials</i> , <b>2018</b> , 17, 394-405	27	1074
330	Benzoyl Halides as Alternative Precursors for the Colloidal Synthesis of Lead-Based Halide Perovskite Nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2656-2664	16.4	354
329	Role of Acid-Base Equilibria in the Size, Shape, and Phase Control of Cesium Lead Bromide Nanocrystals. <i>ACS Nano</i> , <b>2018</b> , 12, 1704-1711	16.7	259
328	Lateral epitaxial heterojunctions in single nanowires fabricated by masked cation exchange. <i>Nature Communications</i> , <b>2018</b> , 9, 505	17.4	20
327	The Crucial Role of the Support in the Transformations of Bimetallic Nanoparticles and Catalytic Performance. <i>ACS Catalysis</i> , <b>2018</b> , 8, 1031-1037	13.1	26
326	Generating plasmonic heterostructures by cation exchange and redox reactions of covellite CuS nanocrystals with Au ions. <i>Nanoscale</i> , <b>2018</b> , 10, 2781-2789	7.7	21
325	Understanding and tailoring ligand interactions in the self-assembly of branched colloidal nanocrystals into planar superlattices. <i>Nature Communications</i> , <b>2018</b> , 9, 1141	17.4	22
324	Planar Double-Epsilon-Near-Zero Cavities for Spontaneous Emission and Purcell Effect Enhancement. <i>ACS Photonics</i> , <b>2018</b> , 5, 2287-2294	6.3	51
323	The Many "Facets" of Halide Ions in the Chemistry of Colloidal Inorganic Nanocrystals. <i>Chemical Reviews</i> , <b>2018</b> , 118, 7804-7864	68.1	139
322	Ab Initio Structure Determination of CuTe Plasmonic Nanocrystals by Precession-Assisted Electron Diffraction Tomography and HAADF-STEM Imaging. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 10241-10248	5.1	16
321	Iron Oxide Colloidal Nanoclusters as Theranostic Vehicles and Their Interactions at the Cellular Level. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	15

320	In situ LiFePO <sub>4</sub> nano-particles grown on few-layer graphene flakes as high-power cathode nanohybrids for lithium-ion batteries. <i>Nano Energy</i> , <b>2018</b> , 51, 656-667	17.1	34
319	Triggering Cation Exchange Reactions by Doping. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 4895-4904	10.4	8
318	In Situ Dynamic Nanostructuring of the Cu-Ti Catalyst-Support System Promotes Hydrogen Evolution under Alkaline Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29583-29592	9.5	14
317	Metal-support interaction in catalysis: The influence of the morphology of a nano-oxide domain on catalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 237, 753-762	21.8	12
316	Colloidal CsX (X = Cl, Br, I) Nanocrystals and Their Transformation to CsPbX Nanocrystals by Cation Exchange. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 79-83	9.6	43
315	Exfoliation of Few-Layer Black Phosphorus in Low-Boiling-Point Solvents and Its Application in Li-Ion Batteries. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 506-516	9.6	74
314	NiCoSe Alloy Nanocrystals: Influence of the Composition on Their in Situ Transformation and Electrocatalytic Activity for the Oxygen Evolution Reaction. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 5753-5762	5.6	18
313	The Phosphine Oxide Route toward Lead Halide Perovskite Nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14878-14886	16.4	94
312	Fe Deficiencies, FeO Subdomains, and Structural Defects Favor Magnetic Hyperthermia Performance of Iron Oxide Nanocubes into Intracellular Environment. <i>Nano Letters</i> , <b>2018</b> , 18, 6856-6866	11.5	40
311	Shape-Pure, Nearly Monodispersed CsPbBr Nanocubes Prepared Using Secondary Aliphatic Amines. <i>Nano Letters</i> , <b>2018</b> , 18, 7822-7831	11.5	88
310	Effects of Oxygen Plasma on the Chemical, Light-Emitting, and Electrical-Transport Properties of Inorganic and Hybrid Lead Bromide Perovskite Nanocrystal Films. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 5396-5400	5.6	5
309	Molecular Iodine for a General Synthesis of Binary and Ternary Inorganic and Hybrid Organic-Inorganic Iodide Nanocrystals. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 6915-6921	9.6	27
308	Colloidal Synthesis of Double Perovskite CsAgInCl and Mn-Doped CsAgInCl Nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 12989-12995	16.4	251
307	Selective antimony reduction initiating the nucleation and growth of InSb quantum dots. <i>Nanoscale</i> , <b>2018</b> , 10, 11110-11116	7.7	7
306	Manipulating the morphology of the nano oxide domain in AuCu-iron oxide dumbbell-like nanocomposites as a tool to modify magnetic properties.. <i>RSC Advances</i> , <b>2018</b> , 8, 22411-22421	3.7	1
305	Tuning and Locking the Localized Surface Plasmon Resonances of CuS (Covellite) Nanocrystals by an Amorphous CuPd S Shell. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1716-1723	9.6	34
304	Colloidal Monolayer InSe Nanosheets with High Photoresponsivity. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3005-3011	16.4	67
303	In Situ Transmission Electron Microscopy Study of Electron Beam-Induced Transformations in Colloidal Cesium Lead Halide Perovskite Nanocrystals. <i>ACS Nano</i> , <b>2017</b> , 11, 2124-2132	16.7	187



302	Nearly Monodisperse Insulator CsPbX (X = Cl, Br, I) Nanocrystals, Their Mixed Halide Compositions, and Their Transformation into CsPbX Nanocrystals. <i>Nano Letters</i> , <b>2017</b> , 17, 1924-1930	11.5	378
301	Plasmonic doped semiconductor nanocrystals: Properties, fabrication, applications and perspectives. <i>Physics Reports</i> , <b>2017</b> , 674, 1-52	27.7	163
300	Interplay of Internal Structure and Interfaces on the Emitting Properties of Hybrid ZnO Hierarchical Particles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 15182-15191	9.5	5
299	Role of Nonradiative Defects and Environmental Oxygen on Exciton Recombination Processes in CsPbBr Perovskite Nanocrystals. <i>Nano Letters</i> , <b>2017</b> , 17, 3844-3853	11.5	76
298	Selective Fe Promotion on Au Nanoparticles: An Efficient Way to Activate Au/SiO <sub>2</sub> Catalysts for the CO Oxidation Reaction. <i>ChemCatChem</i> , <b>2017</b> , 9, 2952-2960	5.2	6
297	"Quantized" Doping of Individual Colloidal Nanocrystals Using Size-Focused Metal Quantum Clusters. <i>ACS Nano</i> , <b>2017</b> , 11, 6233-6242	16.7	18
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15	Exciton relaxation processes in colloidal core/shell ZnSe/ZnS nanocrystals. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 418-420	3.4	44



14	Shape control and applications of nanocrystals. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2003</b> , 361, 241-55; discussion 56-7	3	172
13	Shape Control of Colloidal Semiconductor Nanocrystals. <i>Journal of Cluster Science</i> , <b>2002</b> , 13, 521-532	3	127
12	Epitaxial growth and photochemical annealing of graded CdS/ZnS shells on colloidal CdSe nanorods. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 7136-45	16.4	513
11	Semiconductor Nanorod Liquid Crystals. <i>Nano Letters</i> , <b>2002</b> , 2, 557-560	11.5	274
10	Linearly polarized emission from colloidal semiconductor quantum rods. <i>Science</i> , <b>2001</b> , 292, 2060-3	33.3	1026
9	Preparation and characterisation of organic/inorganic heterojunction based on BDA-PPV/CdS nanocrystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2000</b> , 74, 175-179	3.1	12
8	Shape control of CdSe nanocrystals. <i>Nature</i> , <b>2000</b> , 404, 59-61	50.4	3891
7	Synthesis and Characterization of CdS Nanoclusters in a Quaternary Microemulsion: the Role of the Cosurfactant. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 8391-8397	3.4	160
6	Synthesis of Soluble and Processable Rod-, Arrow-, Teardrop-, and Tetrapod-Shaped CdSe Nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 12700-12706	16.4	1619
5	Quantum Dots4-49		2
4	Multilayer Diffraction Reveals That Colloidal Superlattices Approach the Structural Perfection of Single Crystals		2
3	Isolated [SbCl <sub>6</sub> ] <sup>3-</sup> Octahedra Are the Only Active Emitters in Rb <sub>7</sub> Sb <sub>3</sub> Cl <sub>16</sub> Nanocrystals. <i>ACS Energy Letters</i> , 3952-3959	20.1	3
2	Methylammonium Governs Structural and Optical Properties of Hybrid Lead Halide Perovskites through Dynamic Hydrogen Bonding. <i>Chemistry of Materials</i> ,	9.6	4
1	Quantum Dots3-47		4