

Delia J Milliron

List of Publications by Year in descending order

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133
papers

11,222
citations

57758

44
h-index

29157

104
g-index

138
all docs

138
docs citations

138
times ranked

12499
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In Situ</i> Optical Quantification of Extracellular Electron Transfer Using Plasmonic Metal Oxide Nanocrystals**. ChemElectroChem, 2022, 9, .	3.4	6
2	Sculpting the Plasmonic Responses of Nanoparticles by Directed Electron Beam Irradiation. Small, 2022, 18, e2105099.	10.0	5
3	Investigating the Role of Surface Depletion in Governing Electron-Transfer Events in Colloidal Plasmonic Nanocrystals. Chemistry of Materials, 2022, 34, 777-788.	6.7	8
4	Assembling Inorganic Nanocrystal Gels. Nano Letters, 2022, 22, 1457-1466.	9.1	27
5	Colorimetric quantification of linking in thermoreversible nanocrystal gel assemblies. Science Advances, 2022, 8, eabm7364.	10.3	12
6	Contact Conductance Governs Metallicity in Conducting Metal Oxide Nanocrystal Films. Nano Letters, 2022, 22, 5009-5014.	9.1	3
7	Dual-Band Electrochromism: Plasmonic and Polaronic Mechanisms. Journal of Physical Chemistry C, 2022, 126, 9228-9238.	3.1	16
8	Understanding the Role of Charge Storage Mechanisms in the Electrochromic Switching Kinetics of Metal Oxide Nanocrystals. Chemistry of Materials, 2022, 34, 5621-5633.	6.7	13
9	Wertheim's thermodynamic perturbation theory with double-bond association and its application to colloid-linker mixtures. Journal of Chemical Physics, 2021, 154, 024905.	3.0	10
10	Enhancing hyperspectral EELS analysis of complex plasmonic nanostructures with pan-sharpening. Journal of Chemical Physics, 2021, 154, 014202.	3.0	5
11	Colloidal Nanocrystal Gels from Thermodynamic Principles. Accounts of Chemical Research, 2021, 54, 798-807.	15.6	26
12	Effects of linker flexibility on phase behavior and structure of linked colloidal gels. Journal of Chemical Physics, 2021, 154, 074901.	3.0	15
13	Understanding the Hydrothermal Formation of NaNbO ₃ : Its Full Reaction Scheme and Kinetics. Inorganic Chemistry, 2021, 60, 7632-7640.	4.0	7
14	Separating Physically Distinct Mechanisms in Complex Infrared Plasmonic Nanostructures via Machine Learning Enhanced Electron Energy Loss Spectroscopy. Advanced Optical Materials, 2021, 9, 2001808.	7.3	13
15	Dynamics of Lithium Insertion in Electrochromic Titanium Dioxide Nanocrystal Ensembles. Journal of the American Chemical Society, 2021, 143, 8278-8294.	13.7	28
16	Electron beam modification of plasmonic responses of nanoparticles. Microscopy and Microanalysis, 2021, 27, 3066-3068.	0.4	0
17	Predicting local plasmon resonances and geometries using autoencoder networks in complex nanoparticle assemblies. Microscopy and Microanalysis, 2021, 27, 2766-2768.	0.4	0
18	Beyond NMF: Advanced Signal Processing and Machine Learning Methodologies for Hyperspectral Analysis in EELS. Microscopy and Microanalysis, 2021, 27, 322-324.	0.4	3

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19	Resilient Women and the Resiliency of Science. <i>Chemistry of Materials</i> , 2021, 33, 6585-6588.	6.7	3
20	Quantitative Analysis of Plasmonic Metal Oxide Nanocrystal Ensembles Reveals the Influence of Dopant Selection on Intrinsic Optoelectronic Properties. <i>Chemistry of Materials</i> , 2021, 33, 6955-6964.	6.7	15
21	Controlling the Shape Anisotropy of Monoclinic Nb ₁₂ O ₂₉ Nanocrystals Enables Tunable Electrochromic Spectral Range. <i>Journal of the American Chemical Society</i> , 2021, 143, 15745-15755.	13.7	23
22	Efficient Aqueous Electroreduction of CO ₂ to Formate at Low Overpotential on Indium Tin Oxide Nanocrystals. <i>Chemistry of Materials</i> , 2021, 33, 7675-7685.	6.7	16
23	A self-degradable hydrogel sensor for a nerve agent tabun surrogate through a self-propagating cascade. <i>Cell Reports Physical Science</i> , 2021, 2, 100552.	5.6	9
24	Electrochromic Niobium Oxide Nanorods. <i>Chemistry of Materials</i> , 2020, 32, 468-475.	6.7	42
25	Aqueous Processing and Spray Deposition of Polymer-Wrapped Tin-Doped Indium Oxide Nanocrystals as Electrochromic Thin Films. <i>Chemistry of Materials</i> , 2020, 32, 8401-8411.	6.7	12
26	Oxygen Storage in Transition Metal-Doped Bixbyite Vanadium Sesquioxide Nanocrystals. <i>ACS Applied Nano Materials</i> , 2020, 3, 9645-9651.	5.0	4
27	Assembly of Linked Nanocrystal Colloids by Reversible Covalent Bonds. <i>Chemistry of Materials</i> , 2020, 32, 10235-10245.	6.7	27
28	Influence of Crystalline and Shape Anisotropy on Electrochromic Modulation in Doped Semiconductor Nanocrystals. <i>ACS Energy Letters</i> , 2020, 5, 2662-2670.	17.4	22
29	Synthesis and Dual-Mode Electrochromism of Anisotropic Monoclinic Nb ₁₂ O ₂₉ Colloidal Nanoplatelets. <i>ACS Nano</i> , 2020, 14, 10068-10082.	14.6	29
30	Transport Mechanisms Underlying Ionic Conductivity in Nanoparticle-Based Single-Ion Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6970-6975.	4.6	10
31	Dual-Mode Infrared Absorption by Segregating Dopants within Plasmonic Semiconductor Nanocrystals. <i>Nano Letters</i> , 2020, 20, 7498-7505.	9.1	12
32	Effect of Nonincorporative Cations on the Size and Shape of Indium Oxide Nanocrystals. <i>Chemistry of Materials</i> , 2020, 32, 9347-9354.	6.7	11
33	Localization of Plasmons in Self-assembled Doped-semiconductor Nanocrystal Arrays. <i>Microscopy and Microanalysis</i> , 2020, 26, 3186-3187.	0.4	0
34	Intrinsic Optical and Electronic Properties from Quantitative Analysis of Plasmonic Semiconductor Nanocrystal Ensemble Optical Extinction. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24351-24360.	3.1	22
35	Direct Electrochemical Deposition of Transparent Metal Oxide Thin Films from Polyoxometalates. <i>Chemistry of Materials</i> , 2020, 32, 4600-4608.	6.7	18
36	Modulation of the Visible Absorption and Reflection Profiles of ITO Nanocrystal Thin Films by Plasmon Excitation. <i>ACS Photonics</i> , 2020, 7, 1188-1196.	6.6	16

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37	Enhanced Coloration Efficiency of Electrochromic Tungsten Oxide Nanorods by Site Selective Occupation of Sodium Ions. <i>Nano Letters</i> , 2020, 20, 2072-2079.	9.1	55
38	Universal Gelation of Metal Oxide Nanocrystals via Depletion Attractions. <i>Nano Letters</i> , 2020, 20, 4007-4013.	9.1	16
39	Spectrally tunable infrared plasmonic F,Sn:In ₂ O ₃ nanocrystal cubes. <i>Journal of Chemical Physics</i> , 2020, 152, 014709.	3.0	33
40	Ultrahigh Spatial Resolution of Mid-Infrared Optical Excitations with Monochromated Electron Energy-Loss Spectroscopy. , 2020, , .		0
41	Surface Depletion Layers in Plasmonic Metal Oxide Nanocrystals. <i>Accounts of Chemical Research</i> , 2019, 52, 2516-2524.	15.6	32
42	Wide Dynamic Range in Tunable Electrochromic Bragg Stacks from Doped Semiconductor Nanocrystals. <i>Advanced Functional Materials</i> , 2019, 29, 1904555.	14.9	23
43	Addition of Monovalent Silver Cations to CH ₃ NH ₃ PbBr ₃ Produces Crystallographically Oriented Perovskite Thin Films. <i>ACS Applied Energy Materials</i> , 2019, 2, 6087-6096.	5.1	10
44	Solvothermally-synthesized tin-doped indium oxide plasmonic nanocrystals spray-deposited onto glass as near-infrared electrochromic films. <i>Solar Energy Materials and Solar Cells</i> , 2019, 200, 110014.	6.2	12
45	Thermal Stability of the Black Perovskite Phase in Cesium Lead Iodide Nanocrystals Under Humid Conditions. <i>Chemistry of Materials</i> , 2019, 31, 9750-9758.	6.7	29
46	Quantitative Analysis of Extinction Coefficients of Tin-Doped Indium Oxide Nanocrystal Ensembles. <i>Nano Letters</i> , 2019, 19, 8149-8154.	9.1	43
47	Structure and phase behavior of polymer-linked colloidal gels. <i>Journal of Chemical Physics</i> , 2019, 151, 124901.	3.0	28
48	Dopant Selection Strategy for High-Quality Factor Localized Surface Plasmon Resonance from Doped Metal Oxide Nanocrystals. <i>Chemistry of Materials</i> , 2019, 31, 7752-7760.	6.7	46
49	Colloidal ReO ₃ Nanocrystals: Extra Red-Electron Instigating a Plasmonic Response. <i>Journal of the American Chemical Society</i> , 2019, 141, 16331-16343.	13.7	23
50	Syntheses of Colloidal F:In ₂ O ₃ Cubes: Fluorine-Induced Faceting and Infrared Plasmonic Response. <i>Chemistry of Materials</i> , 2019, 31, 2661-2676.	6.7	41
51	Competition between Depletion Effects and Coupling in the Plasmon Modulation of Doped Metal Oxide Nanocrystals. <i>Nano Letters</i> , 2019, 19, 2012-2019.	9.1	37
52	Bismuth Enhances the Stability of CH ₃ NH ₃ PbI ₃ (MAPI) Perovskite under High Humidity. <i>Journal of Physical Chemistry C</i> , 2019, 123, 963-970.	3.1	20
53	Anisotropic Origins of Localized Surface Plasmon Resonance in n-Type Anatase TiO ₂ Nanocrystals. <i>Chemistry of Materials</i> , 2019, 31, 502-511.	6.7	37
54	Deliquescent Chromism of Nickel(II) Iodide Thin Films. <i>Langmuir</i> , 2019, 35, 2146-2152.	3.5	5

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55	Colloidal Nanocrystal Films Reveal the Mechanism for Intermediate Temperature Proton Conductivity in Porous Ceramics. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13624-13635.	3.1	10
56	Localized Surface Plasmon Resonance in Semiconductor Nanocrystals. <i>Chemical Reviews</i> , 2018, 118, 3121-3207.	47.7	656
57	Tuning Nanocrystal Surface Depletion by Controlling Dopant Distribution as a Route Toward Enhanced Film Conductivity. <i>Nano Letters</i> , 2018, 18, 2870-2878.	9.1	45
58	Modulation of Carrier Type in Nanocrystal-in-Matrix Composites by Interfacial Doping. <i>Chemistry of Materials</i> , 2018, 30, 2544-2549.	6.7	1
59	Rationalizing the Impact of Surface Depletion on Electrochemical Modulation of Plasmon Resonance Absorption in Metal Oxide Nanocrystals. <i>ACS Photonics</i> , 2018, 5, 2044-2050.	6.6	29
60	High Mobility in Nanocrystal-Based Transparent Conducting Oxide Thin Films. <i>ACS Nano</i> , 2018, 12, 3200-3208.	14.6	55
61	Controlling Morphology in Polycrystalline Films by Nucleation and Growth from Metastable Nanocrystals. <i>Nano Letters</i> , 2018, 18, 5530-5537.	9.1	4
62	Impacts of surface depletion on the plasmonic properties of doped semiconductor nanocrystals. <i>Nature Materials</i> , 2018, 17, 710-717.	27.5	135
63	Impact of Non-Uniform Doping on the Plasmonic Properties of In ₂ O ₃ Nanoparticles: A Study by Electron Energy Loss Spectroscopy. <i>Microscopy and Microanalysis</i> , 2018, 24, 1684-1685.	0.4	1
64	Gelation of plasmonic metal oxide nanocrystals by polymer-induced depletion attractions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8925-8930.	7.1	32
65	Interactions and design rules for assembly of porous colloidal mesophases. <i>Soft Matter</i> , 2017, 13, 1335-1343.	2.7	29
66	A comparative energy analysis of three electrochromic glazing technologies in commercial and residential buildings. <i>Applied Energy</i> , 2017, 192, 95-109.	10.1	108
67	Nearest-neighbour nanocrystal bonding dictates framework stability or collapse in colloidal nanocrystal frameworks. <i>Chemical Communications</i> , 2017, 53, 4853-4856.	4.1	6
68	Control of Localized Surface Plasmon Resonances in Metal Oxide Nanocrystals. <i>Annual Review of Materials Research</i> , 2017, 47, 1-31.	9.3	163
69	Dopant Mediated Assembly of Cu ₂ ZnSnS ₄ Nanorods into Atomically Coupled 2D Sheets in Solution. <i>Nano Letters</i> , 2017, 17, 3421-3428.	9.1	19
70	Resonant Coupling between Molecular Vibrations and Localized Surface Plasmon Resonance of Faceted Metal Oxide Nanocrystals. <i>Nano Letters</i> , 2017, 17, 2611-2620.	9.1	94
71	Charge carrier concentration dependence of ultrafast plasmonic relaxation in conducting metal oxide nanocrystals. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5757-5763.	5.5	20
72	Template-Free Mesoporous Electrochromic Films on Flexible Substrates from Tungsten Oxide Nanorods. <i>Nano Letters</i> , 2017, 17, 5756-5761.	9.1	95

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73	Ultraviolet photovoltaics: Share the spectrum. <i>Nature Energy</i> , 2017, 2, .	39.5	3
74	Direct observation of narrow mid-infrared plasmon linewidths of single metal oxide nanocrystals. <i>Nature Communications</i> , 2016, 7, 11583.	12.8	78
75	Oxygen Incorporation and Release in Metastable $V_{2}O_{3}$ Nanocrystals. <i>ACS Nano</i> , 2016, 10, 6147-6155.	14.6	12
76	The Interplay of Shape and Crystalline Anisotropies in Plasmonic Semiconductor Nanocrystals. <i>Nano Letters</i> , 2016, 16, 3879-3884.	9.1	75
77	Core/Shell Approach to Dopant Incorporation and Shape Control in Colloidal Zinc Oxide Nanorods. <i>Chemistry of Materials</i> , 2016, 28, 3454-3461.	6.7	31
78	Defect Engineering in Plasmonic Metal Oxide Nanocrystals. <i>Nano Letters</i> , 2016, 16, 3390-3398.	9.1	122
79	Electrochemically Induced Transformations of Vanadium Dioxide Nanocrystals. <i>Nano Letters</i> , 2016, 16, 6021-6027.	9.1	40
80	Transparent Conductive Oxide Nanocrystals Coated with Insulators by Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2016, 28, 5549-5553.	6.7	39
81	Linear topology in amorphous metal oxide electrochromic networks obtained via low-temperature solution processing. <i>Nature Materials</i> , 2016, 15, 1267-1273.	27.5	155
82	Disentangling Photochromism and Electrochromism by Blocking Hole Transfer at the Electrolyte Interface. <i>Chemistry of Materials</i> , 2016, 28, 7198-7202.	6.7	24
83	Importance of doping, dopant distribution, and defects on electronic band structure alteration of metal oxide nanoparticles: Implications for reactive oxygen species. <i>Science of the Total Environment</i> , 2016, 568, 926-932.	8.0	56
84	Switchable Materials for Smart Windows. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2016, 7, 283-304.	6.8	367
85	Linking Semiconductor Nanocrystals into Gel Networks through All-Inorganic Bridges. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14840-14844.	13.8	45
86	Dispersible Plasmonic Doped Metal Oxide Nanocrystal Sensors that Optically Track Redox Reactions in Aqueous Media with Single-Electron Sensitivity. <i>Advanced Optical Materials</i> , 2015, 3, 1293-1300.	7.3	27
87	Ordering in Polymer Micelle-Directed Assemblies of Colloidal Nanocrystals. <i>Nano Letters</i> , 2015, 15, 8240-8244.	9.1	21
88	Redox Chemistries and Plasmon Energies of Photodoped $In_{2}O_{3}$ and Sn-Doped $In_{2}O_{3}$ (ITO) Nanocrystals. <i>Journal of the American Chemical Society</i> , 2015, 137, 518-524.	13.7	132
89	Solution Synthesis and Assembly of Wurtzite-Derived $CuInZnS$ Nanorods with Tunable Composition and Band Gap. <i>Chemistry of Materials</i> , 2015, 27, 1517-1523.	6.7	38
90	Prospects of Nanoscience with Nanocrystals. <i>ACS Nano</i> , 2015, 9, 1012-1057.	14.6	1,005

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91	Spectroelectrochemical Signatures of Capacitive Charging and Ion Insertion in Doped Anatase Titania Nanocrystals. <i>Journal of the American Chemical Society</i> , 2015, 137, 9160-9166.	13.7	103
92	Nanocomposite Architecture for Rapid, Spectrally-Selective Electrochromic Modulation of Solar Transmittance. <i>Nano Letters</i> , 2015, 15, 5574-5579.	9.1	179
93	Rescaling of metal oxide nanocrystals for energy storage having high capacitance and energy density with robust cycle life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7914-7919.	7.1	38
94	Colloidal Nanocrystal Frameworks. <i>Advanced Materials</i> , 2015, 27, 5820-5829.	21.0	19
95	Synergistic Role of Dopants on the Morphology of Alloyed Copper Chalcogenide Nanocrystals. <i>Journal of the American Chemical Society</i> , 2015, 137, 6464-6467.	13.7	32
96	Shape-Dependent Field Enhancement and Plasmon Resonance of Oxide Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6227-6238.	3.1	102
97	United States energy and CO ₂ savings potential from deployment of near-infrared electrochromic window glazings. <i>Building and Environment</i> , 2015, 89, 107-117.	6.9	124
98	Nanocrystal Superlattice Embedded within an Inorganic Semiconducting Matrix by in Situ Ligand Exchange: Fabrication and Morphology. <i>Chemistry of Materials</i> , 2015, 27, 2755-2758.	6.7	10
99	Sub-micron Polymer ^z Zeolitic Imidazolate Framework Layered Hybrids via Controlled Chemical Transformation of Naked ZnO Nanocrystal Films. <i>Chemistry of Materials</i> , 2015, 27, 7673-7679.	6.7	45
100	Low Temperature Synthesis and Surface Plasmon Resonance of Colloidal Lanthanum Hexaboride (LaB ₆) Nanocrystals. <i>Chemistry of Materials</i> , 2015, 27, 6620-6624.	6.7	46
101	Constructing Functional Mesosstructured Materials from Colloidal Nanocrystal Building Blocks. <i>Accounts of Chemical Research</i> , 2014, 47, 236-246.	15.6	50
102	Influence of Surface Composition on Electronic Transport through Naked Nanocrystal Networks. <i>Chemistry of Materials</i> , 2014, 26, 2214-2217.	6.7	16
103	The surface plays a core role. <i>Nature Materials</i> , 2014, 13, 772-773.	27.5	51
104	NIR-Selective electrochromic heteromaterial frameworks: a platform to understand mesoscale transport phenomena in solid-state electrochemical devices. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3328.	5.5	53
105	Phosphonic Acid Adsorbates Tune the Surface Potential of TiO ₂ in Gas and Liquid Environments. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2450-2454.	4.6	15
106	Defect Chemistry and Plasmon Physics of Colloidal Metal Oxide Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1564-1574.	4.6	218
107	Influence of Dopant Distribution on the Plasmonic Properties of Indium Tin Oxide Nanocrystals. <i>Journal of the American Chemical Society</i> , 2014, 136, 7110-7116.	13.7	160
108	Influence of Shape on the Surface Plasmon Resonance of Tungsten Bronze Nanocrystals. <i>Chemistry of Materials</i> , 2014, 26, 1779-1784.	6.7	133

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109	Nanostructured electrochromic smart windows: traditional materials and NIR-selective plasmonic nanocrystals. <i>Chemical Communications</i> , 2014, 50, 10555-10572.	4.1	422
110	Synthesis and Phase Stability of Metastable Bixbyite V ₂ O ₃ Colloidal Nanocrystals. <i>Chemistry of Materials</i> , 2013, 25, 3172-3179.	6.7	40
111	Nb-Doped Colloidal TiO ₂ Nanocrystals with Tunable Infrared Absorption. <i>Chemistry of Materials</i> , 2013, 25, 3383-3390.	6.7	177
112	Tunable near-infrared and visible-light transmittance in nanocrystal-in-glass composites. <i>Nature</i> , 2013, 500, 323-326.	27.8	742
113	Nanoporous Semiconductors Synthesized Through Polymer Templating of Ligand-Stripped CdSe Nanocrystals. <i>Advanced Materials</i> , 2013, 25, 1315-1322.	21.0	28
114	Chemistry of Doped Colloidal Nanocrystals. <i>Chemistry of Materials</i> , 2013, 25, 1305-1317.	6.7	310
115	Near-Infrared Spectrally Selective Plasmonic Electrochromic Thin Films. <i>Advanced Optical Materials</i> , 2013, 1, 215-220.	7.3	123
116	Carbon-Free TiO ₂ Battery Electrodes Enabled by Morphological Control at the Nanoscale. <i>Advanced Energy Materials</i> , 2013, 3, 1286-1291.	19.5	41
117	Evolution of Ordered Metal Chalcogenide Architectures through Chemical Transformations. <i>Journal of the American Chemical Society</i> , 2013, 135, 7446-7449.	13.7	30
118	Electronically Coupled Nanocrystal Superlattice Films by <i>in Situ</i> Ligand Exchange at the Liquid-Air Interface. <i>ACS Nano</i> , 2013, 7, 10978-10984.	14.6	101
119	Assembly of Ligand-Stripped Nanocrystals into Precisely Controlled Mesoporous Architectures. <i>Nano Letters</i> , 2012, 12, 3872-3877.	9.1	88
120	Comparison of extra electrons in colloidal n-type Al ³⁺ -doped and photochemically reduced ZnO nanocrystals. <i>Chemical Communications</i> , 2012, 48, 9352.	4.1	70
121	Extracting reliable electronic properties from transmission spectra of indium tin oxide thin films and nanocrystal films by careful application of the Drude theory. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	70
122	Efficient polymer passivation of ligand-stripped nanocrystal surfaces. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3719-3727.	2.3	18
123	General Method for the Synthesis of Hierarchical Nanocrystal-Based Mesoporous Materials. <i>ACS Nano</i> , 2012, 6, 6386-6399.	14.6	85
124	Understanding the Plasmon Resonance in Ensembles of Degenerately Doped Semiconductor Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12226-12231.	3.1	109
125	Ionic and Electronic Transport in Ag ₂ S Nanocrystal-GeS ₂ Matrix Composites with Size-Controlled Ag ₂ S Nanocrystals. <i>Advanced Materials</i> , 2012, 24, 99-103.	21.0	41
126	Exceptionally Mild Reactive Stripping of Native Ligands from Nanocrystal Surfaces by Using Meerwein's Salt. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 684-689.	13.8	240

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127	Dynamically Modulating the Surface Plasmon Resonance of Doped Semiconductor Nanocrystals. Nano Letters, 2011, 11, 4415-4420.	9.1	491
128	Tunable Infrared Absorption and Visible Transparency of Colloidal Aluminum-Doped Zinc Oxide Nanocrystals. Nano Letters, 2011, 11, 4706-4710.	9.1	443
129	Polyoxometalates and colloidal nanocrystals as building blocks for metal oxide nanocomposite films. Journal of Materials Chemistry, 2011, 21, 11631.	6.7	70
130	Reproducible, High-Throughput Synthesis of Colloidal Nanocrystals for Optimization in Multidimensional Parameter Space. Nano Letters, 2010, 10, 1874-1885.	9.1	201
131	Colloidal nanocrystal heterostructures with linear and branched topology. Nature, 2004, 430, 190-195.	27.8	1,127
132	Designed for Charge Transfer: Complexes of CdSe Nanocrystals and Oligothiophenes. Materials Research Society Symposia Proceedings, 2002, 725, 1.	0.1	0
133	Electron Distribution in Conducting Metal Oxide Nanocrystals. , 0, , .		0