

# Delia J Milliron

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6576569/publications.pdf>

Version: 2024-02-01

133  
papers

11,222  
citations

57631

44  
h-index

29081

104  
g-index

138  
all docs

138  
docs citations

138  
times ranked

12499  
citing authors

#	ARTICLE	IF	CITATIONS
1	Colloidal nanocrystal heterostructures with linear and branched topology. <i>Nature</i> , 2004, 430, 190-195.	13.7	1,127
2	Prospects of Nanoscience with Nanocrystals. <i>ACS Nano</i> , 2015, 9, 1012-1057.	7.3	1,005
3	Tunable near-infrared and visible-light transmittance in nanocrystal-in-glass composites. <i>Nature</i> , 2013, 500, 323-326.	13.7	742
4	Localized Surface Plasmon Resonance in Semiconductor Nanocrystals. <i>Chemical Reviews</i> , 2018, 118, 3121-3207.	23.0	656
5	Dynamically Modulating the Surface Plasmon Resonance of Doped Semiconductor Nanocrystals. <i>Nano Letters</i> , 2011, 11, 4415-4420.	4.5	491
6	Tunable Infrared Absorption and Visible Transparency of Colloidal Aluminum-Doped Zinc Oxide Nanocrystals. <i>Nano Letters</i> , 2011, 11, 4706-4710.	4.5	443
7	Nanostructured electrochromic smart windows: traditional materials and NIR-selective plasmonic nanocrystals. <i>Chemical Communications</i> , 2014, 50, 10555-10572.	2.2	422
8	Switchable Materials for Smart Windows. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2016, 7, 283-304.	3.3	367
9	Chemistry of Doped Colloidal Nanocrystals. <i>Chemistry of Materials</i> , 2013, 25, 1305-1317.	3.2	310
10	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.	7.2	240
11	Defect Chemistry and Plasmon Physics of Colloidal Metal Oxide Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1564-1574.	2.1	218
12	Reproducible, High-Throughput Synthesis of Colloidal Nanocrystals for Optimization in Multidimensional Parameter Space. <i>Nano Letters</i> , 2010, 10, 1874-1885.	4.5	201
13	Nanocomposite Architecture for Rapid, Spectrally-Selective Electrochromic Modulation of Solar Transmittance. <i>Nano Letters</i> , 2015, 15, 5574-5579.	4.5	179
14	Nb-Doped Colloidal TiO <sub>2</sub> Nanocrystals with Tunable Infrared Absorption. <i>Chemistry of Materials</i> , 2013, 25, 3383-3390.	3.2	177
15	Control of Localized Surface Plasmon Resonances in Metal Oxide Nanocrystals. <i>Annual Review of Materials Research</i> , 2017, 47, 1-31.	4.3	163
16	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.	6.6	160
17	Linear topology in amorphous metal oxide electrochromic networks obtained via low-temperature solution processing. <i>Nature Materials</i> , 2016, 15, 1267-1273.	13.3	155
18	Impacts of surface depletion on the plasmonic properties of doped semiconductor nanocrystals. <i>Nature Materials</i> , 2018, 17, 710-717.	13.3	135

#	ARTICLE	IF	CITATIONS
19	Influence of Shape on the Surface Plasmon Resonance of Tungsten Bronze Nanocrystals. <i>Chemistry of Materials</i> , 2014, 26, 1779-1784.	3.2	133
20	Redox Chemistries and Plasmon Energies of Photodoped In <sub>2</sub> O <sub>3</sub> and Sn-Doped In <sub>2</sub> O <sub>3</sub> (ITO) Nanocrystals. <i>Journal of the American Chemical Society</i> , 2015, 137, 518-524.	6.6	132
21	United States energy and CO <sub>2</sub> savings potential from deployment of near-infrared electrochromic window glazings. <i>Building and Environment</i> , 2015, 89, 107-117.	3.0	124
22	Near-Infrared Spectrally Selective Plasmonic Electrochromic Thin Films. <i>Advanced Optical Materials</i> , 2013, 1, 215-220.	3.6	123
23	Defect Engineering in Plasmonic Metal Oxide Nanocrystals. <i>Nano Letters</i> , 2016, 16, 3390-3398.	4.5	122
24	Understanding the Plasmon Resonance in Ensembles of Degenerately Doped Semiconductor Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12226-12231.	1.5	109
25	A comparative energy analysis of three electrochromic glazing technologies in commercial and residential buildings. <i>Applied Energy</i> , 2017, 192, 95-109.	5.1	108
26	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.	6.6	103
27	Shape-Dependent Field Enhancement and Plasmon Resonance of Oxide Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6227-6238.	1.5	102
28	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.	7.3	101
29	Template-Free Mesoporous Electrochromic Films on Flexible Substrates from Tungsten Oxide Nanorods. <i>Nano Letters</i> , 2017, 17, 5756-5761.	4.5	95
30	Resonant Coupling between Molecular Vibrations and Localized Surface Plasmon Resonance of Faceted Metal Oxide Nanocrystals. <i>Nano Letters</i> , 2017, 17, 2611-2620.	4.5	94
31	Assembly of Ligand-Stripped Nanocrystals into Precisely Controlled Mesoporous Architectures. <i>Nano Letters</i> , 2012, 12, 3872-3877.	4.5	88
32	General Method for the Synthesis of Hierarchical Nanocrystal-Based Mesoporous Materials. <i>ACS Nano</i> , 2012, 6, 6386-6399.	7.3	85
33	Direct observation of narrow mid-infrared plasmon linewidths of single metal oxide nanocrystals. <i>Nature Communications</i> , 2016, 7, 11583.	5.8	78
34	The Interplay of Shape and Crystalline Anisotropies in Plasmonic Semiconductor Nanocrystals. <i>Nano Letters</i> , 2016, 16, 3879-3884.	4.5	75
35	Polyoxometalates and colloidal nanocrystals as building blocks for metal oxide nanocomposite films. <i>Journal of Materials Chemistry</i> , 2011, 21, 11631.	6.7	70
36	Comparison of extra electrons in colloidal n-type Al <sup>3+</sup> -doped and photochemically reduced ZnO nanocrystals. <i>Chemical Communications</i> , 2012, 48, 9352.	2.2	70

#	ARTICLE	IF	CITATIONS
37	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, .	1.1	70
38	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.	3.9	56
39	High Mobility in Nanocrystal-Based Transparent Conducting Oxide Thin Films. <i>ACS Nano</i> , 2018, 12, 3200-3208.	7.3	55
40	Enhanced Coloration Efficiency of Electrochromic Tungsten Oxide Nanorods by Site Selective Occupation of Sodium Ions. <i>Nano Letters</i> , 2020, 20, 2072-2079.	4.5	55
41	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.	2.7	53
42	The surface plays a core role. <i>Nature Materials</i> , 2014, 13, 772-773.	13.3	51
43	Constructing Functional Mesostructured Materials from Colloidal Nanocrystal Building Blocks. <i>Accounts of Chemical Research</i> , 2014, 47, 236-246.	7.6	50
44	Low Temperature Synthesis and Surface Plasmon Resonance of Colloidal Lanthanum Hexaboride (LaB <sub>6</sub> ) Nanocrystals. <i>Chemistry of Materials</i> , 2015, 27, 6620-6624.	3.2	46
45	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.	3.2	46
46	Linking Semiconductor Nanocrystals into Gel Networks through All $\alpha$ -Inorganic Bridges. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14840-14844.	7.2	45
47	Sub-micron Polymer $\alpha$ -Zeolitic Imidazolate Framework Layered Hybrids via Controlled Chemical Transformation of Naked ZnO Nanocrystal Films. <i>Chemistry of Materials</i> , 2015, 27, 7673-7679.	3.2	45
48	Tuning Nanocrystal Surface Depletion by Controlling Dopant Distribution as a Route Toward Enhanced Film Conductivity. <i>Nano Letters</i> , 2018, 18, 2870-2878.	4.5	45
49	Quantitative Analysis of Extinction Coefficients of Tin-Doped Indium Oxide Nanocrystal Ensembles. <i>Nano Letters</i> , 2019, 19, 8149-8154.	4.5	43
50	Electrochromic Niobium Oxide Nanorods. <i>Chemistry of Materials</i> , 2020, 32, 468-475.	3.2	42
51	Ionic and Electronic Transport in Ag <sub>2</sub> S Nanocrystal $\alpha$ -GeS <sub>2</sub> Matrix Composites with Size $\alpha$ -Controlled Ag <sub>2</sub> S Nanocrystals. <i>Advanced Materials</i> , 2012, 24, 99-103.	11.1	41
52	Carbon $\alpha$ -Free TiO <sub>2</sub> Battery Electrodes Enabled by Morphological Control at the Nanoscale. <i>Advanced Energy Materials</i> , 2013, 3, 1286-1291.	10.2	41
53	Syntheses of Colloidal F:In <sub>2</sub> O <sub>3</sub> Cubes: Fluorine-Induced Faceting and Infrared Plasmonic Response. <i>Chemistry of Materials</i> , 2019, 31, 2661-2676.	3.2	41
54	Synthesis and Phase Stability of Metastable Bixbyite V <sub>2</sub> O <sub>3</sub> Colloidal Nanocrystals. <i>Chemistry of Materials</i> , 2013, 25, 3172-3179.	3.2	40

#	ARTICLE	IF	CITATIONS
55	Electrochemically Induced Transformations of Vanadium Dioxide Nanocrystals. <i>Nano Letters</i> , 2016, 16, 6021-6027.	4.5	40
56	Transparent Conductive Oxide Nanocrystals Coated with Insulators by Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2016, 28, 5549-5553.	3.2	39
57	Solution Synthesis and Assembly of Wurtzite-Derived Cu <sup>2+</sup> In <sup>3+</sup> Zn <sup>2+</sup> S Nanorods with Tunable Composition and Band Gap. <i>Chemistry of Materials</i> , 2015, 27, 1517-1523.	3.2	38
58	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.	3.3	38
59	Competition between Depletion Effects and Coupling in the Plasmon Modulation of Doped Metal Oxide Nanocrystals. <i>Nano Letters</i> , 2019, 19, 2012-2019.	4.5	37
60	Anisotropic Origins of Localized Surface Plasmon Resonance in n-Type Anatase TiO <sub>2</sub> Nanocrystals. <i>Chemistry of Materials</i> , 2019, 31, 502-511.	3.2	37
61	Spectrally tunable infrared plasmonic F <sub>2</sub> Sn:In <sub>2</sub> O <sub>3</sub> nanocrystal cubes. <i>Journal of Chemical Physics</i> , 2020, 152, 014709.	1.2	33
62	Synergistic Role of Dopants on the Morphology of Alloyed Copper Chalcogenide Nanocrystals. <i>Journal of the American Chemical Society</i> , 2015, 137, 6464-6467.	6.6	32
63	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.	3.3	32
64	Surface Depletion Layers in Plasmonic Metal Oxide Nanocrystals. <i>Accounts of Chemical Research</i> , 2019, 52, 2516-2524.	7.6	32
65	Core/Shell Approach to Dopant Incorporation and Shape Control in Colloidal Zinc Oxide Nanorods. <i>Chemistry of Materials</i> , 2016, 28, 3454-3461.	3.2	31
66	Evolution of Ordered Metal Chalcogenide Architectures through Chemical Transformations. <i>Journal of the American Chemical Society</i> , 2013, 135, 7446-7449.	6.6	30
67	Interactions and design rules for assembly of porous colloidal mesophases. <i>Soft Matter</i> , 2017, 13, 1335-1343.	1.2	29
68	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.	3.2	29
69	Thermal Stability of the Black Perovskite Phase in Cesium Lead Iodide Nanocrystals Under Humid Conditions. <i>Chemistry of Materials</i> , 2019, 31, 9750-9758.	3.2	29
70	Synthesis and Dual-Mode Electrochromism of Anisotropic Monoclinic Nb <sub>12</sub> O <sub>29</sub> Colloidal Nanoplatelets. <i>ACS Nano</i> , 2020, 14, 10068-10082.	7.3	29
71	Nanoporous Semiconductors Synthesized Through Polymer Templating of Ligand-Stripped CdSe Nanocrystals. <i>Advanced Materials</i> , 2013, 25, 1315-1322.	11.1	28
72	Structure and phase behavior of polymer-linked colloidal gels. <i>Journal of Chemical Physics</i> , 2019, 151, 124901.	1.2	28

#	ARTICLE	IF	CITATIONS
73	Dynamics of Lithium Insertion in Electrochromic Titanium Dioxide Nanocrystal Ensembles. <i>Journal of the American Chemical Society</i> , 2021, 143, 8278-8294.	6.6	28
74	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.	3.6	27
75	Assembly of Linked Nanocrystal Colloids by Reversible Covalent Bonds. <i>Chemistry of Materials</i> , 2020, 32, 10235-10245.	3.2	27
76	Assembling Inorganic Nanocrystal Gels. <i>Nano Letters</i> , 2022, 22, 1457-1466.	4.5	27
77	Colloidal Nanocrystal Gels from Thermodynamic Principles. <i>Accounts of Chemical Research</i> , 2021, 54, 798-807.	7.6	26
78	Disentangling Photochromism and Electrochromism by Blocking Hole Transfer at the Electrolyte Interface. <i>Chemistry of Materials</i> , 2016, 28, 7198-7202.	3.2	24
79	Wide Dynamic Range in Tunable Electrochromic Bragg Stacks from Doped Semiconductor Nanocrystals. <i>Advanced Functional Materials</i> , 2019, 29, 1904555.	7.8	23
80	Colloidal $\text{ReO}_3$ Nanocrystals: Extra Red-Electron Instigating a Plasmonic Response. <i>Journal of the American Chemical Society</i> , 2019, 141, 16331-16343.	6.6	23
81	Controlling the Shape Anisotropy of Monoclinic $\text{Nb}_{12}\text{O}_{29}$ Nanocrystals Enables Tunable Electrochromic Spectral Range. <i>Journal of the American Chemical Society</i> , 2021, 143, 15745-15755.	6.6	23
82	Influence of Crystalline and Shape Anisotropy on Electrochromic Modulation in Doped Semiconductor Nanocrystals. <i>ACS Energy Letters</i> , 2020, 5, 2662-2670.	8.8	22
83	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.	1.5	22
84	Ordering in Polymer Micelle-Directed Assemblies of Colloidal Nanocrystals. <i>Nano Letters</i> , 2015, 15, 8240-8244.	4.5	21
85	Charge carrier concentration dependence of ultrafast plasmonic relaxation in conducting metal oxide nanocrystals. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5757-5763.	2.7	20
86	Bismuth Enhances the Stability of $\text{CH}_3\text{NH}_3\text{PbI}_3$ (MAPI) Perovskite under High Humidity. <i>Journal of Physical Chemistry C</i> , 2019, 123, 963-970.	1.5	20
87	Colloidal Nanocrystal Frameworks. <i>Advanced Materials</i> , 2015, 27, 5820-5829.	11.1	19
88	Dopant Mediated Assembly of $\text{Cu}_2\text{ZnSnS}_4$ Nanorods into Atomically Coupled 2D Sheets in Solution. <i>Nano Letters</i> , 2017, 17, 3421-3428.	4.5	19
89	Efficient polymer passivation of ligand-stripped nanocrystal surfaces. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3719-3727.	2.5	18
90	Direct Electrochemical Deposition of Transparent Metal Oxide Thin Films from Polyoxometalates. <i>Chemistry of Materials</i> , 2020, 32, 4600-4608.	3.2	18

#	ARTICLE	IF	CITATIONS
91	Influence of Surface Composition on Electronic Transport through Naked Nanocrystal Networks. <i>Chemistry of Materials</i> , 2014, 26, 2214-2217.	3.2	16
92	Modulation of the Visible Absorption and Reflection Profiles of ITO Nanocrystal Thin Films by Plasmon Excitation. <i>ACS Photonics</i> , 2020, 7, 1188-1196.	3.2	16
93	Universal Gelation of Metal Oxide Nanocrystals via Depletion Attractions. <i>Nano Letters</i> , 2020, 20, 4007-4013.	4.5	16
94	Efficient Aqueous Electroreduction of CO <sub>2</sub> to Formate at Low Overpotential on Indium Tin Oxide Nanocrystals. <i>Chemistry of Materials</i> , 2021, 33, 7675-7685.	3.2	16
95	Dual-Band Electrochromism: Plasmonic and Polaronic Mechanisms. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9228-9238.	1.5	16
96	Phosphonic Acid Adsorbates Tune the Surface Potential of TiO <sub>2</sub> in Gas and Liquid Environments. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2450-2454.	2.1	15
97	Effects of linker flexibility on phase behavior and structure of linked colloidal gels. <i>Journal of Chemical Physics</i> , 2021, 154, 074901.	1.2	15
98	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.	3.2	15
99	Separating Physically Distinct Mechanisms in Complex Infrared Plasmonic Nanostructures via Machine Learning Enhanced Electron Energy Loss Spectroscopy. <i>Advanced Optical Materials</i> , 2021, 9, 2001808.	3.6	13
100	Understanding the Role of Charge Storage Mechanisms in the Electrochromic Switching Kinetics of Metal Oxide Nanocrystals. <i>Chemistry of Materials</i> , 2022, 34, 5621-5633.	3.2	13
101	Oxygen Incorporation and Release in Metastable Bixbyite V <sub>2</sub> O <sub>3</sub> Nanocrystals. <i>ACS Nano</i> , 2016, 10, 6147-6155.	7.3	12
102	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.	3.0	12
103	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.	3.2	12
104	Dual-Mode Infrared Absorption by Segregating Dopants within Plasmonic Semiconductor Nanocrystals. <i>Nano Letters</i> , 2020, 20, 7498-7505.	4.5	12
105	Colorimetric quantification of linking in thermoreversible nanocrystal gel assemblies. <i>Science Advances</i> , 2022, 8, eabm7364.	4.7	12
106	Effect of Nonincorporative Cations on the Size and Shape of Indium Oxide Nanocrystals. <i>Chemistry of Materials</i> , 2020, 32, 9347-9354.	3.2	11
107	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.	3.2	10
108	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.	1.5	10

#	ARTICLE	IF	CITATIONS
109	Addition of Monovalent Silver Cations to CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Produces Crystallographically Oriented Perovskite Thin Films. ACS Applied Energy Materials, 2019, 2, 6087-6096.	2.5	10
110	Transport Mechanisms Underlying Ionic Conductivity in Nanoparticle-Based Single-Ion Electrolytes. Journal of Physical Chemistry Letters, 2020, 11, 6970-6975.	2.1	10
111	Wertheim's thermodynamic perturbation theory with double-bond association and its application to colloid-linker mixtures. Journal of Chemical Physics, 2021, 154, 024905.	1.2	10
112	A self-degradable hydrogel sensor for a nerve agent tabun surrogate through a self-propagating cascade. Cell Reports Physical Science, 2021, 2, 100552.	2.8	9
113	Investigating the Role of Surface Depletion in Governing Electron-Transfer Events in Colloidal Plasmonic Nanocrystals. Chemistry of Materials, 2022, 34, 777-788.	3.2	8
114	Understanding the Hydrothermal Formation of NaNbO <sub>3</sub> : Its Full Reaction Scheme and Kinetics. Inorganic Chemistry, 2021, 60, 7632-7640.	1.9	7
115	Nearest-neighbour nanocrystal bonding dictates framework stability or collapse in colloidal nanocrystal frameworks. Chemical Communications, 2017, 53, 4853-4856.	2.2	6
116	<i>In Situ</i> Optical Quantification of Extracellular Electron Transfer Using Plasmonic Metal Oxide Nanocrystals**. ChemElectroChem, 2022, 9, .	1.7	6
117	Deliquescent Chromism of Nickel(II) Iodide Thin Films. Langmuir, 2019, 35, 2146-2152.	1.6	5
118	Enhancing hyperspectral EELS analysis of complex plasmonic nanostructures with pan-sharpening. Journal of Chemical Physics, 2021, 154, 014202.	1.2	5
119	Sculpting the Plasmonic Responses of Nanoparticles by Directed Electron Beam Irradiation. Small, 2022, 18, e2105099.	5.2	5
120	Controlling Morphology in Polycrystalline Films by Nucleation and Growth from Metastable Nanocrystals. Nano Letters, 2018, 18, 5530-5537.	4.5	4
121	Oxygen Storage in Transition Metal-Doped Bixbyite Vanadium Sesquioxide Nanocrystals. ACS Applied Nano Materials, 2020, 3, 9645-9651.	2.4	4
122	Ultraviolet photovoltaics: Share the spectrum. Nature Energy, 2017, 2, .	19.8	3
123	Beyond NMF: Advanced Signal Processing and Machine Learning Methodologies for Hyperspectral Analysis in EELS. Microscopy and Microanalysis, 2021, 27, 322-324.	0.2	3
124	Resilient Women and the Resiliency of Science. Chemistry of Materials, 2021, 33, 6585-6588.	3.2	3
125	Contact Conductance Governs Metallicity in Conducting Metal Oxide Nanocrystal Films. Nano Letters, 2022, 22, 5009-5014.	4.5	3
126	Modulation of Carrier Type in Nanocrystal-in-Matrix Composites by Interfacial Doping. Chemistry of Materials, 2018, 30, 2544-2549.	3.2	1



#	ARTICLE	IF	CITATIONS
127	Impact of Non-Uniform Doping on the Plasmonic Properties of In <sub>2</sub> O <sub>3</sub> Nanoparticles: A Study by Electron Energy Loss Spectroscopy. <i>Microscopy and Microanalysis</i> , 2018, 24, 1684-1685.	0.2	1
128	Designed for Charge Transfer: Complexes of CdSe Nanocrystals and Oligothiophenes. <i>Materials Research Society Symposia Proceedings</i> , 2002, 725, 1.	0.1	0
129	Localization of Plasmons in Self-assembled Doped-semiconductor Nanocrystal Arrays. <i>Microscopy and Microanalysis</i> , 2020, 26, 3186-3187.	0.2	0
130	Electron beam modification of plasmonic responses of nanoparticles. <i>Microscopy and Microanalysis</i> , 2021, 27, 3066-3068.	0.2	0
131	Predicting local plasmon resonances and geometries using autoencoder networks in complex nanoparticle assemblies. <i>Microscopy and Microanalysis</i> , 2021, 27, 2766-2768.	0.2	0
132	Ultra-high Spatial Resolution of Mid-Infrared Optical Excitations with Monochromated Electron Energy-Loss Spectroscopy. , 2020, , .		0
133	Electron Distribution in Conducting Metal Oxide Nanocrystals. , 0, , .		0