

Brian W Goodfellow

List of Publications by Year in descending order

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18
papers

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471371

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citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Ligand-Stabilized Silicon Nanocrystals with Size-Dependent Photoluminescence Spanning Visible to Near-Infrared Wavelengths. <i>Chemistry of Materials</i> , 2012, 24, 393-401.	3.2	326
2	Hydrophobic Gold Nanoparticle Self-Assembly with Phosphatidylcholine Lipid: Membrane-Loaded and Janus Vesicles. <i>Nano Letters</i> , 2010, 10, 3733-3739.	4.5	200
3	Alkyl Passivation and Amphiphilic Polymer Coating of Silicon Nanocrystals for Diagnostic Imaging. <i>Small</i> , 2010, 6, 2026-2034.	5.2	136
4	Spray-deposited CuInSe ₂ nanocrystal photovoltaics. <i>Energy and Environmental Science</i> , 2010, 3, 1600.	15.6	128
5	Colloidal CIGS and CZTS nanocrystals: A precursor route to printed photovoltaics. <i>Journal of Solid State Chemistry</i> , 2012, 189, 2-12.	1.4	124
6	Photoelectrochemical Characterization of CuInSe ₂ and Cu(In _{1-x} Ga _x)Se ₂ Thin Films for Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 234-240.	1.5	112
7	The Role of Ligand Packing Frustration in Body-Centered Cubic (bcc) Superlattices of Colloidal Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2406-2412.	2.1	79
8	Thickness-limited performance of CuInSe ₂ nanocrystal photovoltaic devices. <i>Optics Express</i> , 2010, 18, A411.	1.7	74
9	Melting and Sintering of a Body-Centered Cubic Superlattice of PbSe Nanocrystals Followed by Small Angle X-ray Scattering. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6397-6404.	1.5	59
10	Reversible Solvent Vapor-Mediated Phase Changes in Nanocrystal Superlattices. <i>ACS Nano</i> , 2011, 5, 2419-2424.	7.3	58
11	Solution-Liquid-Solid Synthesis of CuInSe ₂ Nanowires and Their Implementation in Photovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 1781-1785.	4.0	55
12	Ordered Structure Rearrangements in Heated Gold Nanocrystal Superlattices. <i>Nano Letters</i> , 2013, 13, 5710-5714.	4.5	52
13	GISAXS Characterization of Order in Hexagonal Monolayers of FePt Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14427-14432.	1.5	50
14	Influence of Composition on the Performance of Sintered Cu(In,Ga)Se ₂ Nanocrystal Thin-Film Photovoltaic Devices. <i>ChemSusChem</i> , 2013, 6, 481-486.	3.6	33
15	Chloroform-Enhanced Incorporation of Hydrophobic Gold Nanocrystals into Dioleoylphosphatidylcholine (DOPC) Vesicle Membranes. <i>Langmuir</i> , 2012, 28, 12971-12981.	1.6	28
16	Mapping Spatial Heterogeneity in Cu(In _{1-x} Ga _x)Se ₂ Nanocrystal-Based Photovoltaics with Scanning Photocurrent and Fluorescence Microscopy. <i>Small</i> , 2010, 6, 2832-2836.	5.2	22
17	Role of Halides in the Ordered Structure Transitions of Heated Gold Nanocrystal Superlattices. <i>Langmuir</i> , 2015, 31, 6924-6932.	1.6	22
18	Temperature-dependent charge transport in copper indium diselenide nanocrystal films. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	8