

Jonathan G C Veinot

List of Publications by Year in descending order

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131
papers

5,821
citations

76294

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Exploring Structural Nuances in Germanium Halide Perovskites Using Solid-State ⁷³ Ge and ¹³³ Cs NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1687-1696.	2.1	9
2	(Invited) Realizing Narrow Bandwidth Visible Photoluminescence from Colloidal Silicon Quantum Dots. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1079-1079.	0.0	0
3	Frustrated Lewis Pair Chelation as a Vehicle for Low-Temperature Semiconductor Element and Polymer Deposition. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 228-231.	7.2	21
4	Turning the dials: controlling synthesis, structure, composition, and surface chemistry to tailor silicon nanoparticle properties. <i>Nanoscale</i> , 2021, 13, 16379-16404.	2.8	11
5	Hollow Mesoporous Carbon Nanospheres Decorated with Metal Oxide Nanoparticles as Efficient Earth-Abundant Zinc-Air Battery Catalysts. <i>ChemElectroChem</i> , 2021, 8, 1455-1463.	1.7	1
6	Hollow Mesoporous Carbon Nanospheres Decorated with Metal Oxide Nanoparticles as Efficient Earth-Abundant Zinc-Air Battery Catalysts. <i>ChemElectroChem</i> , 2021, 8, 1392-1392.	1.7	1
7	Synthesis, Properties, and Derivatization of Poly(dihydrogermane): A Germanium-Based Polyethylene Analogue. <i>ACS Nano</i> , 2021, 15, 9368-9378.	7.3	6
8	Silicon Quantum Dot-Polymer Fabry-Pérot Resonators with Narrowed and Tunable Emissions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27149-27158.	4.0	8
9	Tailoring Ordered Mesoporous Titania Films via Introducing Germanium Nanocrystals for Enhanced Electron Transfer Photoanodes for Photovoltaic Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2102105.	7.8	9
10	Surface-Anisotropic Janus Silicon Quantum Dots via Masking on 2D Silicon Nanosheets. <i>Advanced Materials</i> , 2021, 33, e2100288.	11.1	7
11	Surface-Anisotropic Janus Silicon Quantum Dots via Masking on 2D Silicon Nanosheets (<i>Adv. Mater.</i>) Tj ETQq1 1 0,784314.jpg / Over	11.1	7
12	Tailoring B-doped silicon nanocrystal surface chemistry via phosphorus pentachloride mediated surface alkoxylation. <i>Nanoscale</i> , 2021, 13, 18281-18292.	2.8	4
13	Silicon Surface Passivation for Silicon-Colloidal Quantum Dot Heterojunction Photodetectors. <i>ACS Nano</i> , 2021, 15, 18429-18436.	7.3	20
14	Mesoporous GeO ₂ /Ge/C as a Highly Reversible Anode Material with High Specific Capacity for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47002-47009.	4.0	18
15	Functional Bio-inorganic Hybrids from Silicon Quantum Dots and Biological Molecules. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52251-52270.	4.0	23
16	Mn ₃ O ₄ nanoparticle-decorated hollow mesoporous carbon spheres as an efficient catalyst for oxygen reduction reaction in Zn-air batteries. <i>Nanoscale Advances</i> , 2020, 2, 3367-3374.	2.2	12
17	Nonvolatile Memristive Switching in Self-assembled Nanoparticle Dimers. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1099-1105.	2.0	3
18	A Tale of Seemingly Identical Silicon Quantum Dot Families: Structural Insight into Silicon Quantum Dot Photoluminescence. <i>Chemistry of Materials</i> , 2020, 32, 6838-6846.	3.2	22

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19	Dehydrocoupling – an alternative approach to functionalizing germanium nanoparticle surfaces. <i>Nanoscale</i> , 2020, 12, 6271-6278.	2.8	2
20	Thermally Induced Dehydrogenative Coupling of Organosilanes and H-Terminated Silicon Quantum Dots onto Germanane Surfaces. <i>Chemistry of Materials</i> , 2020, 32, 4536-4543.	3.2	8
21	Ratiometric Detection of Nerve Agents by Coupling Complementary Properties of Silicon-Based Quantum Dots and Green Fluorescent Protein. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33478-33488.	4.0	28
22	Endogenous dynamic nuclear polarization NMR of hydride-terminated silicon nanoparticles. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 100, 77-84.	1.5	18
23	Ensemble Effects in the Temperature-Dependent Photoluminescence of Silicon Nanocrystals. <i>Chemistry - A European Journal</i> , 2019, 25, 3061-3067.	1.7	10
24	Highly Conducting, Transparent PEDOT:PSS Polymer Electrodes from Post-treatment with Weak and Strong Acids. <i>Advanced Electronic Materials</i> , 2019, 5, 1800654.	2.6	87
25	Silicon Nanoparticles: Are They Crystalline from the Core to the Surface?. <i>Chemistry of Materials</i> , 2019, 31, 678-688.	3.2	49
26	The influence of surface functionalization methods on the performance of silicon nanocrystal LEDs. <i>Nanoscale</i> , 2018, 10, 10337-10342.	2.8	24
27	Superhydrophobic Silicon Nanocrystal-Silica Aerogel Hybrid Materials: Synthesis, Properties, and Sensing Application. <i>Langmuir</i> , 2018, 34, 4888-4896.	1.6	23
28	Radical-Initiated and Thermally Induced Hydrogermylation of Alkenes on the Surfaces of Germanium Nanosheets. <i>Chemistry of Materials</i> , 2018, 30, 2274-2280.	3.2	30
29	Application of nanoparticle tracking analysis for characterising the fate of engineered nanoparticles in sediment-water systems. <i>Journal of Environmental Sciences</i> , 2018, 64, 62-71.	3.2	28
30	Lewis Acid Protection: A Method Toward Synthesizing Phase Transferable Luminescent Silicon Nanocrystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700620.	0.8	2
31	Mixed Surface Chemistry: An Approach to Highly Luminescent Biocompatible Amphiphilic Silicon Nanocrystals. <i>Chemistry of Materials</i> , 2018, 30, 8925-8931.	3.2	18
32	Interfacing enzymes with silicon nanocrystals through the thiol-ene reaction. <i>Nanoscale</i> , 2018, 10, 18706-18719.	2.8	18
33	Size and Surface Effects of Silicon Nanocrystals in Graphene Aerogel Composite Anodes for Lithium Ion Batteries. <i>Chemistry of Materials</i> , 2018, 30, 7782-7792.	3.2	50
34	Functional Bioinorganic Hybrids from Enzymes and Luminescent Silicon-Based Nanoparticles. <i>Langmuir</i> , 2018, 34, 6556-6569.	1.6	16
35	Ultrabright Fluorescent and Lasing Microspheres from a Conjugated Polymer. <i>Advanced Functional Materials</i> , 2018, 28, 1802759.	7.8	20
36	Water-Assisted Transfer Patterning of Nanomaterials. <i>Langmuir</i> , 2018, 34, 9418-9423.	1.6	8

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37	Thermally Induced Evolution of Ge(OH)_2 : Controlling the Formation of Oxide-Embedded Ge Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17518-17525.	1.5	9
38	The influence of conjugated alkynyl(aryl) surface groups on the optical properties of silicon nanocrystals: photoluminescence through in-gap states. <i>Nanotechnology</i> , 2018, 29, 355705.	1.3	7
39	Synthesis and Surface Functionalization of Hydride-Terminated Ge Nanocrystals Obtained from the Thermal Treatment of Ge(OH)_2 . <i>Langmuir</i> , 2017, 33, 8757-8765.	1.6	15
40	In situ IR-spectroscopy as a tool for monitoring the radical hydrosilylation process on silicon nanocrystal surfaces. <i>Nanoscale</i> , 2017, 9, 8489-8495.	2.8	7
41	Lewis Acid Induced Functionalization of Photoluminescent 2D Silicon Nanosheets for the Fabrication of Functional Hybrid Films. <i>Advanced Functional Materials</i> , 2017, 27, 1606764.	7.8	20
42	Instantaneous Functionalization of Chemically Etched Silicon Nanocrystal Surfaces. <i>Angewandte Chemie</i> , 2017, 129, 6169-6173.	1.6	6
43	Transparent Wood: Luminescent Transparent Wood (<i>Advanced Optical Materials</i> 1/2017). <i>Advanced Optical Materials</i> , 2017, 5, .	3.6	0
44	Light-Converting Polymer/Si Nanocrystal Composites with Stable 60–70% Quantum Efficiency and Their Glass Laminates. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30267-30272.	4.0	57
45	Revisiting an Ongoing Debate: What Role Do Surface Groups Play in Silicon Nanocrystal Photoluminescence?. <i>ACS Photonics</i> , 2017, 4, 1920-1929.	3.2	56
46	Instantaneous Functionalization of Chemically Etched Silicon Nanocrystal Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6073-6077.	7.2	24
47	Humic acid ameliorates nanoparticle-induced developmental toxicity in zebrafish. <i>Environmental Science: Nano</i> , 2017, 4, 127-137.	2.2	29
48	From Hydrogen Silsesquioxane to Functionalized Silicon Nanocrystals. <i>Chemistry of Materials</i> , 2017, 29, 80-89.	3.2	60
49	Luminescent Transparent Wood. <i>Advanced Optical Materials</i> , 2017, 5, 1600834.	3.6	116
50	Phosphorus Pentachloride Initiated Functionalization of Silicon Nanocrystals. <i>Langmuir</i> , 2017, 33, 8766-8773.	1.6	34
51	Silicon Nanocrystals and Silicon-Polymer Hybrids: Synthesis, Surface Engineering, and Applications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2322-2339.	7.2	218
52	Grafting Poly(3-hexylthiophene) from Silicon Nanocrystal Surfaces: Synthesis and Properties of a Functional Hybrid Material with Direct Interfacial Contact. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7393-7397.	7.2	12
53	Synthesis and properties of covalently linked photoluminescent magnetic magnetite nanoparticle-silicon nanocrystal hybrids. <i>MRS Advances</i> , 2016, 1, 2321-2329.	0.5	2
54	Synthesis and Properties of Luminescent Silicon Nanocrystal/Silica Aerogel Hybrid Materials. <i>Chemistry of Materials</i> , 2016, 28, 3877-3886.	3.2	31

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55	Alkoxy-Terminated Si Surfaces: A New Reactive Platform for the Functionalization and Derivatization of Silicon Quantum Dots. <i>Journal of the American Chemical Society</i> , 2016, 138, 7114-7120.	6.6	41
56	Application of Engineered Si Nanoparticles in Light-Induced Advanced Oxidation Remediation of a Water-Borne Model Contaminant. <i>ACS Nano</i> , 2016, 10, 5405-5412.	7.3	24
57	Silicon nanocrystals for the development of sensing platforms. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4836-4846.	2.7	58
58	Photostable Polymer/Si Nanocrystal Bulk Hybrids with Tunable Photoluminescence. <i>ACS Photonics</i> , 2016, 3, 1575-1580.	3.2	22
59	Nanosilver and Nano Zero-Valent Iron Exposure Affects Nutrient Exchange Across the Sediment-Water Interface. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 96, 83-89.	1.3	5
60	Silicium-Nanokristalle und Silicium-Polymer-Hybridmaterialien: Synthese, Oberflächenmodifikation und Anwendungen. <i>Angewandte Chemie</i> , 2016, 128, 2366-2384.	1.6	22
61	Photoluminescence through in-gap states in phenylacetylene functionalized silicon nanocrystals. <i>Nanoscale</i> , 2016, 8, 7849-7853.	2.8	30
62	Detection of nitroaromatics in the solid, solution, and vapor phases using silicon quantum dot sensors. <i>Nanotechnology</i> , 2016, 27, 105501.	1.3	41
63	Surface-Initiated Group-Transfer Polymerization – A Catalytic Approach to Stimuli-Responsive Silicon Nanocrystal Hybrid Materials. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1770, 13-18.	0.1	1
64	Spherical nitrogen-doped hollow mesoporous carbon as an efficient bifunctional electrocatalyst for Zn-air batteries. <i>Nanoscale</i> , 2015, 7, 20547-20556.	2.8	68
65	Do particle size and surface functionality affect uptake and depuration of gold nanoparticles by aquatic invertebrates?. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 850-859.	2.2	17
66	Influence of Halides on the Optical Properties of Silicon Quantum Dots. <i>Chemistry of Materials</i> , 2015, 27, 1153-1156.	3.2	71
67	Near-Unity Internal Quantum Efficiency of Luminescent Silicon Nanocrystals with Ligand Passivation. <i>ACS Nano</i> , 2015, 9, 7097-7104.	7.3	118
68	Toxicity of silver nanoparticles against bacteria, yeast, and algae. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	94
69	Evolution of the Ultrafast Photoluminescence of Colloidal Silicon Nanocrystals with Changing Surface Chemistry. <i>ACS Photonics</i> , 2015, 2, 595-605.	3.2	60
70	Photoluminescent silicon nanocrystal-polymer hybrid materials via surface initiated reversible addition-fragmentation chain transfer (RAFT) polymerization. <i>Nanoscale</i> , 2015, 7, 7811-7818.	2.8	20
71	Charge transfer state emission dynamics in blue-emitting functionalized silicon nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30125-30133.	1.3	37
72	Direct Evaluation of the Quantum Confinement Effect in Single Isolated Ge Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3396-3402.	2.1	36

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73	Radical Initiated Hydrosilylation on Silicon Nanocrystal Surfaces: An Evaluation of Functional Group Tolerance and Mechanistic Study. <i>Langmuir</i> , 2015, 31, 10540-10548.	1.6	51
74	Functionalization of Hydride-Terminated Photoluminescent Silicon Nanocrystals with Organolithium Reagents. <i>Chemistry - A European Journal</i> , 2015, 21, 2755-2758.	1.7	22
75	One-pot synthesis of functionalized germanium nanocrystals from a single source precursor. <i>Nanoscale</i> , 2015, 7, 2241-2244.	2.8	50
76	Photoluminescent silicon nanocrystals with chlorosilane surfaces – synthesis and reactivity. <i>Nanoscale</i> , 2015, 7, 914-918.	2.8	22
77	Oxasilacycles Leading to UV-Curable Polymers: Synthesis and Application. <i>Macromolecules</i> , 2014, 47, 8497-8505.	2.2	5
78	Diazonium Salts as Grafting Agents and Efficient Radical-Hydrosilylation Initiators for Freestanding Photoluminescent Silicon Nanocrystals. <i>Chemistry - A European Journal</i> , 2014, 20, 4212-4216.	1.7	25
79	Borane-Catalyzed Room-Temperature Hydrosilylation of Alkenes/Alkynes on Silicon Nanocrystal Surfaces. <i>Journal of the American Chemical Society</i> , 2014, 136, 17914-17917.	6.6	80
80	Interpreting Deposition Behavior of Polydisperse Surface-Modified Nanoparticles Using QCM-D and Sand-Packed Columns. <i>Environmental Engineering Science</i> , 2014, 31, 326-337.	0.8	20
81	Tuning silicon quantum dot luminescence via surface groups. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2216-2220.	0.7	12
82	Thermoresponsive and Photoluminescent Hybrid Silicon Nanoparticles by Surface-Initiated Group Transfer Polymerization of Diethyl Vinylphosphonate. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12494-12497.	7.2	21
83	Hybrid Materials: Highly Luminescent Covalently Linked Silicon Nanocrystal/Polystyrene Hybrid Functional Materials: Synthesis, Properties, and Processability (<i>Adv. Funct. Mater.</i> 10/2014). <i>Advanced Functional Materials</i> , 2014, 24, 1344-1344.	7.8	1
84	Mechanistic insights into the effect of nanoparticles on zebrafish hatch. <i>Nanotoxicology</i> , 2014, 8, 295-304.	1.6	83
85	Highly Luminescent Covalently Linked Silicon Nanocrystal/Polystyrene Hybrid Functional Materials: Synthesis, Properties, and Processability. <i>Advanced Functional Materials</i> , 2014, 24, 1345-1353.	7.8	53
86	Regulatory ecotoxicity testing of engineered nanoparticles: are the results relevant to the natural environment?. <i>Nanotoxicology</i> , 2014, 8, 583-592.	1.6	37
87	Detection of high-energy compounds using photoluminescent silicon nanocrystal paper based sensors. <i>Nanoscale</i> , 2014, 6, 2608-2612.	2.8	88
88	Water-soluble photoluminescent d-mannose and l-alanine functionalized silicon nanocrystals and their application to cancer cell imaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8427-8433.	2.9	37
89	Chloride Surface Terminated Silicon Nanocrystal Mediated Synthesis of Poly(3-hexylthiophene). <i>Journal of the American Chemical Society</i> , 2014, 136, 15130-15133.	6.6	21
90	Surfactant-free synthesis of GeO ₂ nanocrystals with controlled morphologies. <i>Chemical Communications</i> , 2014, 50, 6101-6104.	2.2	24

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91	Light-Induced Evolution of Silicon Quantum Dot Surface Chemistry—Implications for Photoluminescence, Sensing, and Reactivity. <i>Chemistry of Materials</i> , 2014, 26, 5467-5474.	3.2	7
92	Ultrarrow Luminescence Linewidth of Silicon Nanocrystals and Influence of Matrix. <i>ACS Photonics</i> , 2014, 1, 998-1005.	3.2	67
93	Size-independent organosilane functionalization of silicon nanocrystals using Wilkinson's catalyst. <i>Canadian Journal of Chemistry</i> , 2014, 92, 951-957.	0.6	11
94	Size vs Surface: Tuning the Photoluminescence of Freestanding Silicon Nanocrystals Across the Visible Spectrum via Surface Groups. <i>ACS Nano</i> , 2014, 8, 9636-9648.	7.3	293
95	Widespread Nanoparticle-Assay Interference: Implications for Nanotoxicity Testing. <i>PLoS ONE</i> , 2014, 9, e90650.	1.1	225
96	Low temperature synthesis of silicon carbide nanomaterials using a solid-state method. <i>Chemical Communications</i> , 2013, 49, 7004.	2.2	70
97	Red States versus Blue States in Colloidal Silicon Nanocrystals: Exciton Sequestration into Low-Density Traps. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3806-3812.	2.1	44
98	Chemical Insight into the Origin of Red and Blue Photoluminescence Arising from Freestanding Silicon Nanocrystals. <i>ACS Nano</i> , 2013, 7, 2676-2685.	7.3	267
99	Cytotoxicity of surface-functionalized silicon and germanium nanoparticles: the dominant role of surface charges. <i>Nanoscale</i> , 2013, 5, 4870.	2.8	161
100	Surface-Induced Alkene Oligomerization: Does Thermal Hydrosilylation Really Lead to Monolayer Protected Silicon Nanocrystals?. <i>Journal of the American Chemical Society</i> , 2013, 135, 17595-17601.	6.6	83
101	Shape Evolution of Faceted Silicon Nanocrystals upon Thermal Annealing in an Oxide Matrix. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1536, 207-212.	0.1	1
102	Size-controlled solid state synthesis of luminescent silicon nanocrystals using Stober silica particles. <i>CrystEngComm</i> , 2012, 14, 7576.	1.3	31
103	Frontispiece: Size independent blue luminescence in nitrogen passivated silicon nanocrystals (Phys.) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> 1843-1843.	0.8	1
104	Understanding the Formation of Elemental Germanium by Thermolysis of Sol-Gel Derived Organogermanium Oxide Polymers. <i>Chemistry of Materials</i> , 2012, 24, 1283-1291.	3.2	22
105	Wavelength-Controlled Etching of Silicon Nanocrystals. <i>Chemistry of Materials</i> , 2012, 24, 346-352.	3.2	34
106	A Convenient Method for Preparing Alkyl-Functionalized Silicon Nanocubes. <i>Journal of the American Chemical Society</i> , 2012, 134, 13958-13961.	6.6	32
107	Size independent blue luminescence in nitrogen passivated silicon nanocrystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 1844-1846.	0.8	21
108	Photothermal Response of Photoluminescent Silicon Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1793-1797.	2.1	32

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109	From Si and C encapsulated SiO ₂ to SiC: exploring the influence of sol-gel polymer substitution on thermally induced nanocrystal formation. <i>Journal of Materials Chemistry</i> , 2011, 21, 12422.	6.7	13
110	Size-controlled template synthesis of metal-free germanium nanowires. <i>Journal of Materials Chemistry</i> , 2011, 21, 16505.	6.7	18
111	Synthesis of Si _x Ge _{1-x} Nanocrystals Using Hydrogen Silsesquioxane and Soluble Germanium Diiodide Complexes. <i>Chemistry of Materials</i> , 2011, 23, 5096-5103.	3.2	23
112	Realization of sensitized erbium luminescence in Si ⁺ nanocrystal composites obtained from solution processable sol-gel derived materials. <i>Journal of Materials Chemistry</i> , 2011, 21, 1713-1720.	6.7	5
113	Size-Dependent Reactivity in Hydrosilylation of Silicon Nanocrystals. <i>Journal of the American Chemical Society</i> , 2011, 133, 9564-9571.	6.6	77
114	Non-lithographic Patterning of Oxide-Embedded Silicon Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1359, 187.	0.1	0
115	Sol-gel precursors for group 14 nanocrystals. <i>Chemical Communications</i> , 2010, 46, 8704.	2.2	57
116	How Processing Atmosphere Influences the Evolution of GeO ₂ -Embedded Germanium Nanocrystals Obtained from the Thermolysis of Phenyl Trichlorogermane-Derived Polymers. <i>Chemistry of Materials</i> , 2010, 22, 2653-2661.	3.2	19
117	Exploration of Organic Acid Chain Length on Water-Soluble Silicon Quantum Dot Surfaces. <i>Langmuir</i> , 2010, 26, 15657-15664.	1.6	77
118	X-ray Absorption Spectroscopy of Functionalized Silicon Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2010, 114, 22519-22525.	1.5	14
119	An Investigation into Near-UV Hydrosilylation of Freestanding Silicon Nanocrystals. <i>ACS Nano</i> , 2010, 4, 4645-4656.	7.3	112
120	Stabilizing the optical properties of PFO through addition of a non-volatile low molecular weight aromatic ether. <i>Journal of Materials Chemistry</i> , 2010, 20, 8147.	6.7	16
121	Influence of HSiO _{1.5} Sol-Gel Polymer Structure and Composition on the Size and Luminescent Properties of Silicon Nanocrystals. <i>Chemistry of Materials</i> , 2009, 21, 5426-5434.	3.2	106
122	Synthesis and Photoluminescent Properties of Size-Controlled Germanium Nanocrystals from Phenyl Trichlorogermane-Derived Polymers. <i>Journal of the American Chemical Society</i> , 2008, 130, 3624-3632.	6.6	87
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127	An Investigation of the Formation and Growth of Oxide-Embedded Silicon Nanocrystals in Hydrogen Silsesquioxane-Derived Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6956-6961.	1.5	101
128	Synthesis, surface functionalization, and properties of freestanding silicon nanocrystals. <i>Chemical Communications</i> , 2006, , 4160.	2.2	245
129	Hydrogen Silsesquioxane: A Molecular Precursor for Nanocrystalline SiO ₂ Composites and Freestanding Hydride-Surface-Terminated Silicon Nanoparticles. <i>Chemistry of Materials</i> , 2006, 18, 6139-6146.	3.2	362
130	Toward the Ideal Organic Light-Emitting Diode. The Versatility and Utility of Interfacial Tailoring by Cross-Linked Siloxane Interlayers. <i>Accounts of Chemical Research</i> , 2005, 38, 632-643.	7.6	238
131	Preparation of alkyl-surface functionalized germanium quantum dots via thermally initiated hydrogermylation Electronic supplementary information (ESI) available: FT-IR spectra of the hydride terminated reaction intermediate and n-undecyl surface Ge nanoclusters. See http://www.rsc.org/suppdata/cc/b3/b314887d/ . <i>Chemical Communications</i> , 2004, , 386.	2.2	48