# Regina Sinelnikov

List of Publications by Year
in descending order



| 15 | 387 | 759233 12 | 996975 15 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 15 | 15 | 15 | 518 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | From Hydrogen Silsesquioxane to Functionalized Silicon Nanocrystals. Chemistry of Materials, 2017, 29, 80-89. | 6.7 | 60 |
| 2 | Revisiting an Ongoing Debate: What Role Do Surface Groups Play in Silicon Nanocrystal Photoluminescence?. ACS Photonics, 2017, 4, 1920-1929. | 6.6 | 56 |
| 3 | Detection of nitroaromatics in the solid, solution, and vapor phases using silicon quantum dot sensors. Nanotechnology, 2016, 27, 105501. | 2.6 | 41 |
| 4 | Phosphorus Pentachloride Initiated Functionalization of Silicon Nanocrystals. Langmuir, 2017, 33, 8766-8773. | 3.5 | 34 |
| 5 | Synthesis and Properties of Luminescent Silicon Nanocrystal/Silica Aerogel Hybrid Materials. Chemistry of Materials, 2016, 28, 3877-3886. | 6.7 | 31 |
| 6 | Photoluminescence through in-gap states in phenylacetylene functionalized silicon nanocrystals. Nanoscale, 2016, 8, 7849-7853. | 5.6 | 30 |
| 7 | The influence of surface functionalization methods on the performance of silicon nanocrystal LEDs. Nanoscale, 2018, 10, 10337-10342. | 5.6 | 24 |
| 8 | Functionalization of Hydrideâ€Terminated Photoluminescent Silicon Nanocrystals with Organolithium Reagents. Chemistry - A European Journal, 2015, 21, 2755-2758. | 3.3 | 22 |
| 9 | Mixed Surface Chemistry: An Approach to Highly Luminescent Biocompatible Amphiphilic Silicon Nanocrystals. Chemistry of Materials, 2018, 30, 8925-8931. | 6.7 | 18 |
| 10 | Interfacing enzymes with silicon nanocrystals through the thiolâ€“ene reaction. Nanoscale, 2018, 10, 18706-18719. | 5.6 | 18 |
| 11 | Functional Bioinorganic Hybrids from Enzymes and Luminescent Silicon-Based Nanoparticles. Langmuir, 2018, 34, 6556-6569. | 3.5 | 16 |
| 12 | Synthesis and Surface Functionalization of Hydride-Terminated Ge Nanocrystals Obtained from the Thermal Treatment of Ge(OH)<sub>2</sub>. Langmuir, 2017, 33, 8757-8765. | 3.5 | 15 |
| 13 | Grafting Poly(3â€hexylthiophene) from Silicon Nanocrystal Surfaces: Synthesis and Properties of a Functional Hybrid Material with Direct Interfacial Contact. Angewandte Chemie - International Edition, 2016, 55, 7393-7397. | 13.8 | 12 |
| 14 | The influence of conjugated alkynyl(aryl) surface groups on the optical properties of silicon nanocrystals: photoluminescence through in-gap states. Nanotechnology, 2018, 29, 355705. | 2.6 | 7 |
| 15 | Grafting Poly(3â€hexylthiophene) from Silicon Nanocrystal Surfaces: Synthesis and Properties of a Functional Hybrid Material with Direct Interfacial Contact. Angewandte Chemie, 2016, 128, 7519-7523. | 2.0 | 3 |