Beatriz H JuÃ¡rez

List of Publications by Year
in descending order

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52	2,355	257450	206112
papers	citations	24 h-index	48 g-index

55	55	55	4254
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Infraredâ€Emitting Multimodal Nanostructures for Controlled In Vivo Magnetic Hyperthermia. Advanced Materials, 2021, 33, e2100077.	21.0	51
2	Siliconâ€Based Photonic Architectures from Hierarchically Porous Carbon Opals. Particle and Particle Systems Characterization, 2020, 37, 1900396.	2.3	2
3	Photodetecting Heterostructures from Graphene and Encapsulated Colloidal Quantum Dot Films. ACS Omega, 2019, 4, 15824-15828.	3.5	3
4	Perspectives for Ag₂S NIR-II nanoparticles in biomedicine: from imaging to multifunctionality. Nanoscale, 2019, 11, 19251-19264.	5.6	69
5	Photoluminescence Activation of Organic Dyes via Optically Trapped Quantum Dots. ACS Nano, 2019, 13, 7223-7230.	14.6	8
6	Synthesis and characterization of Ag₂S and Ag₂S/Ag₂(S,Se) NIR nanocrystals. Nanoscale, 2019, 11, 9194-9200.	5.6	15
7	Characterizing the CdSe nanodots in the vicinity of the monolayer covering range. RSC Advances, 2019, 9, 41531-41539.	3.6	1
8	Large-Area Heterostructures from Graphene and Encapsulated Colloidal Quantum Dots via the Langmuirâ€“Blodgett Method. ACS Applied Materials & Interfaces, 2018, 10, 6805-6809.	8.0	12
9	Hierarchically Porous Carbon Photonic Structures. Advanced Functional Materials, 2018, 28, 1703885.	14.9	15
10	In Vivo Contactless Brain Nanothermometry. Advanced Functional Materials, 2018, 28, 1806088.	14.9	78
11	Unexpected Optical Blue Shift in Large Colloidal Quantum Dots by Anionic Migration and Exchange. Journal of Physical Chemistry Letters, 2018, 9, 3124-3130.	4.6	6
12	Time resolved spectroscopy of infrared emitting Ag₂S nanocrystals for subcutaneous thermometry. Nanoscale, 2017, 9, 2505-2513.	5.6	41
13	Luminescence Dynamics of Silica-Encapsulated Quantum Dots During Optical Trapping. Journal of Physical Chemistry C, 2017, 121, 10124-10130.	3.1	7
14	Size, Shape, and Phase Control in Ultrathin CdSe Nanosheets. Nano Letters, 2017, 17, 4165-4171.	9.1	41
15	Ag/Ag₂S Nanocrystals for High Sensitivity Nearâ€Infrared Luminescence Nanothermometry. Advanced Functional Materials, 2017, 27, 1604629.	14.9	110
16	Inorganically coated colloidal quantum dots in polar solvents using a microemulsion-assisted method. Physical Chemistry Chemical Physics, 2017, 19, 1999-2007.	2.8	2
17	Thermal Ligand Desorption in CdSe Quantum Dots by Correlated XPS and STM. Particle and Particle Systems Characterization, 2016, 33, 358-362.	2.3	5
18	Seeded Synthesis of Monodisperse Coreâ€“Shell and Hollow Carbon Spheres. Small, 2016, 12, 4357-4362.	10.0	27

#	Article	IF	Citations
19	Shell or Dots â^' Precursor Controlled Morphology of Auâ€"Se Deposits on CdSe Nanoparticles. Chemistry of Materials, 2016, 28, 2704-2714.	6.7	8
20	Optical trapping and luminescence of silica encapsulated quantum dots (Conference Presentation). , 2016, , .		0
21	Formation of biomineral iron oxides compounds in a Fe hyperaccumulator plant: Imperata cylindrica (L.) P. Beauv.. Journal of Structural Biology, 2016, 193, 23-32.	2.8	25
22	The Role of Halogens in the Synthesis of Semiconductor Nanocrystals. Zeitschrift Fur Physikalische Chemie, 2015, 229, 119-137.	2.8	5
23	Protective Ligand Shells for Luminescent SiO₂-Coated Alloyed Semiconductor Nanocrystals. ACS Applied Materials & Interfaces, 2015, 7, 6935-6945.	8.0	25
24	Microgels and Nanoparticles: Where Micro and Nano Go Hand in Hand. Zeitschrift Fur Physikalische Chemie, 2015, 229, 263-282.	2.8	5
25	Cl-capped CdSe nanocrystals via in situ generation of chloride anions. Nanoscale, 2014, 6, 6812-6818.	5.6	13
26	Effect of Chloride Ligands on CdSe Nanocrystals by Cyclic Voltammetry and X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 4998-5004.	3.1	24
27	Laser Heating Tunability by Offâ€Resonant Irradiation of Gold Nanoparticles. Small, 2014, 10, 376-384.	10.0	21
28	Shape Evolution of CdSe Nanoparticles Controlled by Halogen Compounds. Chemistry of Materials, 2014, 26, 1813-1821.	6.7	65
29	Interfacing Quantum Dots and Graphitic Surfaces with Chlorine Atomic Ligands. ACS Nano, 2013, 7, 2559-2565.	14.6	22
30	Oxygen and light sensitive field-effect transistors based on ZnO nanoparticles attached to individual double-walled carbon nanotubes. Nanoscale, 2012, 4, 251-256.	5.6	15
31	Tunable Plasmon Coupling in Distance-Controlled Gold Nanoparticles. Langmuir, 2012, 28, 8862-8866.	3.5	85
32	Plasmon-Exciton Interactions on Single Thermoresponsive Platforms Demonstrated by Optical Tweezers. Nano Letters, 2011, 11, 4742-4747.	9.1	14
33	Ultrathin PbS Sheets by Two-Dimensional Oriented Attachment. Science, 2010, 329, 550-553.	12.6	756
34	Reversible Attachment of Platinum Alloy Nanoparticles to Nonfunctionalized Carbon Nanotubes. ACS Nano, 2010, 4, 2438-2444.	14.6	31
35	Growth and reductive transformation of a gold shell around pyramidal cadmium selenide nanocrystals. Journal of Materials Chemistry, 2010, 20, 10602.	6.7	22
36	CdSe/CdS nanoparticles immobilized on pNIPAm-based microspheres. Journal of Materials Chemistry, 2010, 20, 1367-1374.	6.7	35

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37	3-D characterization of CdSe nanoparticles attached to carbon nanotubes. Nano Research, 2008, 1, 89-97.	10.4	37
38	Carbon Supported CdSe Nanocrystals. Journal of the American Chemical Society, 2008, 130, 15282-15284.	13.7	40
39	Quantum Dot Attachment and Morphology Control by Carbon Nanotubes. Nano Letters, 2007, 7, 3564-3568.	9.1	101
40	Formation of nanocrystalline Zinc on ITO and Silicon substrates by electrochemical deposition. Journal of Applied Electrochemistry, 2006, 36, 499-505.	2.9	8
41	Opals for Photonic Band-Gap Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 1143-1150.	2.9	3
42	ZnO Inverse Opals by Chemical Vapor Deposition. Advanced Materials, 2005, 17, 2761-2765.	21.0	94
43	Optical and morphological study of disorder in opals. Journal of Applied Physics, 2005, 97, 063502.	2.5	53
44	Self-assembly approach to optical metamaterials. Journal of Optics, 2005, 7, S244-S254.	1.5	56
45	Engineered Planar Defects Embedded in Opals. Advanced Materials, 2004, 16, 341-345.	21.0	143
46	Selective Formation of Inverted Opals by Electron-Beam Lithography. Advanced Materials, 2004, 16, 1732-1736.	21.0	25
47	Formation of Zinc Inverted Opals on Indium Tin Oxide and Silicon Substrates by Electrochemical Deposition. Journal of Physical Chemistry B, 2004, 108, 16708-16712.	2.6	34
48	Photonic slab heterostructures based on opals. , 2004, 5450, 1.		1
49	Optical and morphological study of compound polymer opals. , 2004, , .		0
50	High-Energy Photonic Bandgap in Sb2S3 Inverse Opals by Sulfidation Processing. Advanced Materials, 2003, 15, 319-323.	21.0	58
51	Antimony Trisulfide Inverted Opals: Growth, Characterization, and Photonic Properties. Advanced Materials, 2002, 14, 1486-1490.	21.0	38
52	Materials aspects of opals as photonic crystals. , 0, , .		0