Juan MartÃ-nez-Pastor

List of Publications by Year
in descending order

247 papers	5,549 citations	76031 42 h-index	134545 62 g-index
251 all docs	251 docs citations	251 times ranked	8397 citing authors

#	Article	IF	Citations
1	White light emission from lead-free mixed-cation doped Cs₂SnCl₆ nanocrystals. Nanoscale, 2022, 14, 1468-1479.	2.8	29
2	Molecularly imprinted nanocomposites of CsPbBr₃ nanocrystals: an approach towards fast and selective gas sensing of explosive taggants. Journal of Materials Chemistry C, 2022, 10, 1754-1766.	2.7	24
3	Suppressing the Formation of High n-Phase and 3D Perovskites in the Fabrication of Ruddlesdenâ€“Popper Perovskite Thin Films by Bulky Organic Cation Engineering. Chemistry of Materials, 2022, 34, 3076-3088.	3.2	13
4	Luminescent CdSe Quantum Dot Arrays for Rapid Sensing of Explosive Taggants. ACS Applied Nano Materials, 2022, 5, 6717-6725.	2.4	10
5	Directional and Polarized Lasing Action on Pbâ€free FASnI₃ Integrated in Flexible Optical Waveguides. Advanced Optical Materials, 2022, 10, .	3.6	8
6	Preparation and processing of nanocomposites of all-inorganic lead halide perovskite nanocrystals. , 2021, , 19-93.		0
7	Enhanced optical response of InSe nanosheet devices decorated with CsPbX3 (XÂ=ÂI, Br) perovskite nanocrystals. Applied Surface Science, 2021, 536, 147939.	3.1	9
8	Out-of-plane trion emission in monolayer WSe2 revealed by whispering gallery modes of dielectric microresonators. Communications Materials, 2021, 2, .	2.9	11
9	Molecularly Imprinted Silver Nanocomposites for Explosive Taggant Sensing. ACS Applied Polymer Materials, 2021, 3, 2960-2970.	2.0	17
10	Inhomogeneous Broadening of Photoluminescence Spectra and Kinetics of Nanometer-Thick (Phenethylammonium)₂PbI₄ Perovskite Thin Films: Implications for Optoelectronics. ACS Applied Nano Materials, 2021, 4, 6170-6177.	2.4	12
11	Recycled Photons Traveling Several Millimeters in Waveguides Based on CsPbBr₃ Perovskite Nanocrystals. Advanced Optical Materials, 2021, 9, 2100807.	3.6	7
12	Lead halide perovskite nanocrystals: optical properties and nanophotonics. , 2021, , .		0
13	Extrinsic Effects on the Optical Properties of Surface Color Defects Generated in Hexagonal Boron Nitride Nanosheets. ACS Applied Materials & Interfaces, 2021, 13, 46105-46116.	4.0	14
14	Homogeneous and inhomogeneous broadening in single perovskite nanocrystals investigated by micro-photoluminescence. Journal of Luminescence, 2021, 240, 118453.	1.5	18
15	Effect of alkali metal nitrate treatment on the optical properties of CsPbBr3 nanocrystal films. Materials Letters, 2021, 305, 130835.	1.3	5
16	Ligand-Length Modification in CsPbBr3 Perovskite Nanocrystals and Bilayers with PbS Quantum Dots for Improved Photodetection Performance. Nanomaterials, 2020, 10, 1297.	1.9	19
17	Two-Dimensional Indium Selenide for Sulphur Vapour Sensing Applications. Nanomaterials, 2020, 10, 1396.	1.9	4
18	Role of Self-Absorption in the Photoluminescence Waveguided along CsPbBr3 Perovskite Nanocrystals Thin Films. , 2020, , .		0

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19	Purcell Enhancement and Wavelength Shift of Emitted Light by CsPbI₃ Perovskite Nanocrystals Coupled to Hyperbolic Metamaterials. ACS Photonics, 2020, 7, 3152-3160.	3.2	22
20	Recent advances in synthesis, surface chemistry of cesium lead-free halide perovskite nanocrystals and their potentialÂapplications. , 2020, , 157-228.		2
21	Mechanisms of Spontaneous and Amplified Spontaneous Emission in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>CH</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>NH</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">I</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:math> Perovskite Thin Films Integrated in an Optical Waveguide. Physical Review Applied, 2020, 13, .	1.9	10
22	Enhanced Nonlinear Optical Coefficients of MAPbI3 Thin Films by Bismuth Doping. Journal of Physical Chemistry Letters, 2020, 11, 2188-2194.	2.1	15
23	All optical switching of a single photon stream by excitonic depletion. Communications Physics, 2020, 3, .	2.0	8
24	Interpretation of the photoluminescence decay kinetics in metal halide perovskite nanocrystals and thin polycrystalline films. Journal of Luminescence, 2020, 221, 117092.	1.5	30
25	Enhanced nanoscopy of individual CsPbBr3 perovskite nanocrystals using dielectric sub-micrometric antennas. APL Materials, 2020, 8, 021109.	2.2	9
26	Short Photoluminescence Lifetimes in Vacuum-Deposited CH₃NH₃PbI₃ Perovskite Thin Films as a Result of Fast Diffusion of Photogenerated Charge Carriers. Journal of Physical Chemistry Letters, 2019, 10, 5167-5172.	2.1	24
27	Optical Contrast and Raman Spectroscopy Techniques Applied to Few-Layer 2D Hexagonal Boron Nitride. Nanomaterials, 2019, 9, 1047.	1.9	16
28	Amplified Spontaneous Emission in Thin Films of CsPbX₃ Perovskite Nanocrystals. , 2019, , .		1
29	Single-Exciton Amplified Spontaneous Emission in Thin Films of CsPbX₃ (X = Br, I) Perovskite Nanocrystals. Journal of Physical Chemistry Letters, 2019, 10, 6389-6398.	2.1	46
30	Enhancing the photocatalytic properties of PbS QD solids: the ligand exchange approach. Nanoscale, 2019, 11, 1978-1987.	2.8	56
31	Optical Amplification in Hollow-Core Negative-Curvature Fibers Doped with Perovskite CsPbBr3 Nanocrystals. Nanomaterials, 2019, 9, 868.	1.9	5
32	Ultrafast Carrier Redistribution in Single InAs Quantum Dots Mediated by Wetting-Layer Dynamics. Physical Review Applied, 2019, 11, .	1.5	3
33	Outstanding nonlinear optical properties of methylammonium- and Cs-PbX3 (X = Br, I, and Brâ€“I) perovskites: Polycrystalline thin films and nanoparticles. APL Materials, 2019, 7, .	2.2	53
34	Inhibition of light emission from the metastable tetragonal phase at low temperatures in island-like films of lead iodide perovskites. Nanoscale, 2019, 11, 22378-22386.	2.8	4
35	Structural characterization of bulk and nanoparticle lead halide perovskite thin films by (S)TEM techniques. Nanotechnology, 2019, 30, 135701.	1.3	5
36	Stroboscopic Space Tag for Optical Time-Resolved Measurements with a Charge Coupled Device Detector. ACS Photonics, 2019, 6, 181-188.	3.2	3

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37	Integrated Optical Amplifierâ€“Photodetector on a Wearable Nanocellulose Substrate. Advanced Optical Materials, 2018, 6, 1800201.	3.6	24
38	Tuning optical/electrical properties of 2D/3D perovskite by the inclusion of aromatic cation. Physical Chemistry Chemical Physics, 2018, 20, 30189-30199.	1.3	22
39	Highly Anisotropic Wave Propagation in All-Dielectric Active Waveguides. , 2018, , .		0
40	Polymer Halide Perovskites-Waveguides Integrated in Nanocellulose as a Wearable Amplifier-Photodetector System. , 2018, , .		2
41	Crystalline-Size Dependence of Dual Emission Peak on Hybrid Organic Lead-Iodide Perovskite Films at Low Temperatures. Journal of Physical Chemistry C, 2018, 122, 22717-22727.	1.5	7
42	Charge Transport in Trap-Sensitized Infrared PbS Quantum-Dot-Based Photoconductors: Pros and Cons. Nanomaterials, 2018, 8, 677.	1.9	23
43	Toward Metal Halide Perovskite Nonlinear Photonics. Journal of Physical Chemistry Letters, 2018, 9, 5612-5623.	2.1	73
44	Nitrogen effect on spin-coated ZnO-based pâ€“n homojunctions: structural, optical and electrical characteristics. Journal of Materials Science: Materials in Electronics, 2018, 29, 12690-12699.	1.1	2
45	Structural and chemical characterization of CdSe-ZnS core-shell quantum dots. Applied Surface Science, 2018, 457, 93-97.	3.1	22
46	Optical Optimization of the TiO₂ Mesoporous Layer in Perovskite Solar Cells by the Addition of SiO₂ Nanoparticles. ACS Omega, 2018, 3, 9798-9804.	1.6	18
47	Trap-Limited Dynamics of Excited Carriers and Interpretation of the Photoluminescence Decay Kinetics in Metal Halide Perovskites. Journal of Physical Chemistry Letters, 2018, 9, 4955-4962.	2.1	46
48	A fluorescent layered oxalato-based canted antiferromagnet. Dalton Transactions, 2018, 47, 11909-11916.	1.6	4
49	Engineering light emission of two-dimensional materials in both the weak and strong coupling regimes. Nanophotonics, 2018, 7, 253-267.	2.9	20
50	Circularly Polarized Emission from Ensembles of InGaAs/GaAs Quantum Rings. Silicon, 2017, 9, 689-693.	1.8	0
51	Excitonic complexes in GaN/(Al,Ga)N quantum dots. Journal of Physics Condensed Matter, 2017, 29, 105302.	0.7	8
52	Optical contrast of 2D InSe on SiO₂/Si and transparent substrates using bandpass filters. Nanotechnology, 2017, 28, 115706.	1.3	18
53	Propagation length enhancement of surface plasmon polaritons in gold nano-/micro-waveguides by the interference with photonic modes in the surrounding active dielectrics. Nanophotonics, 2017, 6, 1109-1120.	2.9	19
54	Multilayers of CdSe/CdS/ZnCdS Core/Wings/Shell Nanoplatelets Integrated in a Polymer Waveguide. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-8.	1.9	9

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55	Delayed Luminescence in Lead Halide Perovskite Nanocrystals. Journal of Physical Chemistry C, 2017, 121, 13381-13390.	1.5	148
56	Quantum size confinement in gallium selenide nanosheets: band gap tunability versus stability limitation. Nanotechnology, 2017, 28, 175701.	1.3	21
57	Efficient Optical Amplification in a Sandwich-Type Active-Passive Polymer Waveguide Containing Perylenediimides. ACS Photonics, 2017, 4, 114-120.	3.2	24
58	In-situ synthesis of thiophene-based multifunctional polymeric networks with tunable conductivity and high photolithographic performance. Polymer, 2017, 108, 413-422.	1.8	8
59	Enhancement of the Performance of Perovskite Solar Cells, LEDs, and Optical Amplifiers by Antiâ€Solvent Additive Deposition. Advanced Materials, 2017, 29, 1604056.	11.1	63
60	Purcell-enhancement of the radiative PL decay in perylenediimides by coupling with silver nanoparticles into waveguide modes. Applied Physics Letters, 2017, 111, .	1.5	9
61	Hydrodynamic IL10 Gene Transfer in Human Colon. Inflammatory Bowel Diseases, 2017, 23, 1360-1370.	0.9	1
62	Optimization of semiconductor halide perovskite layers to implement waveguide amplifiers. , 2017, , .		0
63	Single step deposition of an interacting layer of a perovskite matrix with embedded quantum dots. Nanoscale, 2016, 8, 14379-14383.	2.8	29
64	Nanotexturing To Enhance Photoluminescent Response of Atomically Thin Indium Selenide with Highly Tunable Band Gap. Nano Letters, 2016, 16, 3221-3229.	4.5	155
65	Halide perovskite amplifiers integrated in polymer waveguides. , 2016, , .		0
66	Strongly-coupled PbS QD solids by doctor blading for IR photodetection. RSC Advances, 2016, 6, 80201-80212.	1.7	25
67	All-Optical Fiber Hanbury Brown & Twiss Interferometer to study 1300â€‰nm single photon emission of a metamorphic InAs Quantum Dot. Scientific Reports, 2016, 6, 27214.	1.6	30
68	Continuous Broadband MWP True-Time Delay With PbS-PMMA and PbS-SU8 Waveguides. IEEE Photonics Technology Letters, 2016, 28, 1657-1660.	1.3	3
69	Tunable light emission by exciplex state formation between hybrid halide perovskite and core/shell quantum dots: Implications in advanced LEDs and photovoltaics. Science Advances, 2016, 2, e1501104.	4.7	66
70	Parallel Recording of Single Quantum Dot Optical Emission Using Multicore Fibers. IEEE Photonics Technology Letters, 2016, 28, 1257-1260.	1.3	4
71	NANOPHOTONICS LABORATORY TEACHING EXPERIMENTS OPEN TO SENIOR UNDERGRADUATE STUDENTS AND GRADUATE STUDENTS. , 2016, , .		0
72	Polymer/Perovskite Amplifying Waveguides for Active Hybrid Silicon Photonics. Advanced Materials, 2015, 27, 6157-6162.	11.1	83

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73	High spatial resolution mapping of individual and collective localized surface plasmon resonance modes of silver nanoparticle aggregates: correlation to optical measurements. Nanoscale Research Letters, 2015, 10, 1024.	3.1	12
74	Facile laser-assisted synthesis of inorganic nanoparticles covered by a carbon shell with tunable luminescence. RSC Advances, 2015, 5, 50604-50610.	1.7	25
75	Fabrication and characterization of near thresholdless lasers at room temperature. , 2015, , .		0
76	Integration of solution processed materials in polymer waveguides. , 2015, , .		0
77	MWP true time delay implemented in PbS-SU8 waveguides. , 2015, , .		0
78	Mapping the plasmonic response of gold nanoparticles embedded in TiO₂thin films. Nanotechnology, 2015, 26, 405702.	1.3	3
79	Optical properties of an exciton bound to an ionized impurity in ZnO/SiO2 quantum dots. Solid State Communications, 2015, 209-210, 33-37.	0.9	10
80	UV-patternable nanocomposite containing CdSe and PbS quantum dots as miniaturized luminescent chemo-sensors. RSC Advances, 2015, 5, 19874-19883.	1.7	16
81	Thickness identification of atomically thin InSe nanoflakes on SiO2/Si substrates by optical contrast analysis. Applied Surface Science, 2015, 354, 453-458.	3.1	29
82	MWP phase shifters integrated in PbS-SU8 waveguides. Optics Express, 2015, 23, 14351.	1.7	11
83	Near thresholdless laser operation at room temperature. Optica, 2015, 2, 66.	4.8	48
84	Free spectral range enlargement by selective suppression of optical modes in photonic crystal L7 microcavities. , 2015, , .		1
85	Auâ€“ZnO Nanocomposite Films for Plasmonic Photocatalysis. Advanced Materials Interfaces, 2015, 2, 1500156.	1.9	51
86	Polymer waveguide couplers based on metal nanoparticleâ€“polymer nanocomposites. Nanotechnology, 2015, 26, 475201.	1.3	12
87	Towards solar cell emitters based on colloidal Si nanocrystals. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 156-161.	0.8	3
88	Polarimetric Plasmonic Sensing with Bowtie Nanoantenna Arrays. Plasmonics, 2015, 10, 703-711.	1.8	14
89	Photonic Crystalâ€Driven Spectral Concentration for Upconversion Photovoltaics. Advanced Optical Materials, 2015, 3, 568-574.	3.6	26
90	Efficient excitation of photoluminescence in a two-dimensional waveguide consisting of a quantum dot-polymer sandwich-type structure. Optics Letters, 2014, 39, 4962.	1.7	17

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91	Subâ€critical InAs layers on metamorphic InGaAs for single quantum dot emission at telecom wavelengths. Crystal Research and Technology, 2014, 49, 540-545.	0.6	3
92	Bowtie plasmonic nanoantenna arrays for polarimetric optical biosensing. , 2014, , .		11
93	Time resolved emission at 1.3 Î¼m of a single InAs quantum dot by using a tunable fibre Bragg grating. Nanotechnology, 2014, 25, 035204.	1.3	11
94	Plasmonic optical sensors printed from Agâ€“PVA nanoinks. Journal of Materials Chemistry C, 2014, 2, 908-915.	2.7	37
95	Electronic structure, optical properties, and lattice dynamics in atomically thin indium selenide flakes. Nano Research, 2014, 7, 1556-1568.	5.8	160
96	Colloidal Quantum Dots-PMMA Waveguides as Integrable Microwave Photonic Phase Shifters. IEEE Photonics Technology Letters, 2014, 26, 402-404.	1.3	10
97	Plasmonic versus catalytic effect of gold nanoparticles on mesoporous TiO2 electrodes for water splitting. Electrochimica Acta, 2014, 144, 64-70.	2.6	46
98	Photon plasmon coupling in nanocomposite plasmonic waveguides. , 2014, , .		1
99	Two-Color Single-Photon Emission from InAs Quantum Dots: Toward Logic Information Management Using Quantum Light. Nano Letters, 2014, 14, 456-463.	4.5	16
100	Metasurfaces for colour printing. , 2014, , .		1
101	Quantum-Dot Double Layer Polymer Waveguides by Evanescent Light Coupling. Journal of Lightwave Technology, 2013, 31, 2515-2525.	2.7	25
102	The effect of quantum size confinement on the optical properties of PbSe nanocrystals as a function of temperature and hydrostatic pressure. Nanotechnology, 2013, 24, 205701.	1.3	37
103	Exciton and multiexciton optical properties of single InAs/GaAs site-controlled quantum dots. Applied Physics Letters, 2013, 103, .	1.5	8
104	Color Tuning and White Light by Dispersing CdSe, CdTe, and CdS in PMMA Nanocomposite Waveguides. IEEE Photonics Journal, 2013, 5, 2201412-2201412.	1.0	21
105	Lateral induced dipole moment and polarizability of excitons in a ZnO single quantum disk. Journal of Applied Physics, 2013, 113, 064314.	1.1	15
106	Laser ablation of a silicon target in chloroform: formation of multilayer graphite nanostructures. Journal Physics D: Applied Physics, 2013, 46, 135301.	1.3	12
107	Three-Dimensional Axisymmetric Cloak Based on the Cancellation of Acoustic Scattering from a Sphere. Physical Review Letters, 2013, 110, 124301.	2.9	138
108	Novel patternable and conducting metal-polymer nanocomposites: a step towards advanced mutlifunctional materials. , 2013, , .		1

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109	Metal-polymer nanocomposite resist: a step towards in-situ nanopatterns metallization. Proceedings of SPIE, 2013, , .	0.8	4
110	Plasmonic layers based on Au-nanoparticle-doped TiO₂for optoelectronics: structural and optical properties. Nanotechnology, 2013, 24, 065202.	1.3	29
111	Plasmonic Communications: Light on a Wire. Optics and Photonics News, 2013, 24, 28.	0.4	98
112	FORMATION REGULARITIES OF SERS-ACTIVE SUBSTRATES BASED ON SILVER-COATED MESOPOROUS SILICON. , 2013, , .		2
113	Real-time polarimetric optical sensor using macroporous alumina membranes. Optics Letters, 2013, 38, 1058.	1.7	20
114	Properties of silicon integrated photonic lenses: bandwidth, chromatic aberration, and polarization dependence. Optical Engineering, 2013, 52, 091710.	0.5	6
115	The effect of high-In content capping layers on low-density bimodal-sized InAs quantum dots. Journal of Applied Physics, 2013, 113, 194306.	1.1	7
116	Integrated microwave photonic phase-shifters based on colloidal quantum dots-PMMA nanocomposite waveguides. , 2013, , .		0
117	Excitation power dependence of the Purcell effect in photonic crystal microcavity lasers with quantum wires. Applied Physics Letters, 2013, 102, 201105.	1.5	13
118	Light coupling from active polymer layers to hybrid dielectric-plasmonic waveguides. , 2013, , .		1
119	Photoconductivity and optical properties of silicon coated by thin TiO₂ film in situ doped by Au nanoparticles. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 687-694.	0.8	8
120	Real-time polarimetric biosensing using macroporous alumina membranes. Proceedings of SPIE, 2013, , .	0.8	2
121	Experimental demonstration of a three-dimensional acoustic cloak based on a cancellation effect. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
122	Dielectric and plasmonic waveguides based on quantum dots embedded in polymers. Optica Pura Y Aplicada, 2013, 46, 303-308.	0.0	0
123	Purcell effect in photonic crystal microcavities embedding InAs/InP quantum wires. Optics Express, 2012, 20, 7901.	1.7	27
124	Surface plasmon-polariton amplifiers. , 2012, , .		2
125	Chip-to-chip plasmonic interconnects and the activities of EU project NAVOLCHI. , 2012, , .		2
126	Production of Nanometer-Size GaAs Nanocristals by Nanosecond Laser Ablation in Liquid. Journal of Nanoscience and Nanotechnology, 2012, 12, 6774-6778.	0.9	24

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127	Plasmon dumping in Ag-nanoparticles/polymer composite for optical detection of amines and thiols vapors. , 2012, , .		3
128	Phase-Sensitive Detection for Optical Sensing With Porous Silicon. IEEE Photonics Journal, 2012, 4, 986-995.	1.0	16
129	Size dependent carrier thermal escape and transfer in bimodally distributed self assembled InAs/GaAs quantum dots. Journal of Applied Physics, 2012, 111, .	1.1	19
130	Molecular-mediated assembly of silver nanoparticles with controlled interparticle spacing and chain length. Journal of Materials Chemistry, 2012, 22, 22204.	6.7	24
131	Polymer/QDs Nanocomposites for Waveguiding Applications. Journal of Nanomaterials, 2012, 2012, 1-9.	1.5	43
132	Patterning of Conducting Polymers Using UV Lithography: The in-Situ Polymerization Approach. Journal of Physical Chemistry C, 2012, 116, 17547-17553.	1.5	18
133	Temperature Sensor Based on Colloidal Quantum Dotsâ€“PMMA Nanocomposite Waveguides. IEEE Sensors Journal, 2012, 12, 3069-3074.	2.4	26
134	Highly-sensitive anisotropic porous silicon based optical sensors. Proceedings of SPIE, 2012, , .	0.8	7
135	Colloidal QDs-polymer nanocomposites. Proceedings of SPIE, 2012, , .	0.8	0
136	Effect of a lateral electric field on an off-center single dopant confined in a thin quantum disk. Journal of Applied Physics, 2012, 111, .	1.1	28
137	Simulation of surface-modified porous silicon photonic crystals for biosensing applications. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 304-311.	1.0	16
138	Synthesis and Physical Stability of Novel Au-Ag@SiO₂ Alloy Nanoparticles. Nanoscience and Nanotechnology, 2012, 2, 1-7.	1.0	17
139	Different strategies towards the deterministic coupling of a single Quantum Dot to a photonic crystal cavity mode. , 2011, , .		0
140	Acoustic cloak for airborne sound by inverse design. Applied Physics Letters, 2011, 99, .	1.5	72
141	Silicon Nanocrystals Produced by Nanosecond Laser Ablation in an Organic Liquid. Journal of Physical Chemistry C, 2011, 115, 5147-5151.	1.5	66
142	Localization effects on recombination dynamics in InAs/InP self-assembled quantum wires emitting at 1.5â€‰Î¼m. Journal of Applied Physics, 2011, 110, .	1.1	11
143	Birefringent porous silicon membranes for optical sensing. Optics Express, 2011, 19, 26106.	1.7	39
144	Photoluminescence waveguiding in CdSe and CdTe QDsâ€“PMMA nanocomposite films. Nanotechnology, 2011, 22, 435202.	1.3	66

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145	Photoswitchable bactericidal effects from novel silica-coated silver nanoparticles. Proceedings of SPIE, 2011, , .	0.8	1
146	Formation and Emission Properties of Single InGaAsâˆ•GaAs Quantum Dots and Pairs Grown by Droplet Epitaxy. AIP Conference Proceedings, 2011, , .	0.3	0
147	Optical properties of acceptorâ€“exciton complexes in ZnO/SiO2 quantum dots. Solid State Communications, 2011, 151, 1355-1358.	0.9	5
148	Novel Method of Preparation of Goldâ€Nanoparticleâ€Doped TiO₂ and SiO₂ Plasmonic Thin Films: Optical Characterization and Comparison with Maxwellâ€“Garnett Modeling. Advanced Functional Materials, 2011, 21, 3502-3507.	7.8	55
149	MBE growth and properties of lowâ€density InAs/GaAs quantum dot structures. Crystal Research and Technology, 2011, 46, 801-804.	0.6	6
150	Energy of excitons and acceptorâ€“exciton complexes to explain the origin of ultraviolet photoluminescence in ZnO quantum dots embedded in a SiO2 matrix. Solid State Communications, 2011, 151, 822-825.	0.9	7
151	Random population model to explain the recombination dynamics in single InAs/GaAs quantum dots under selective optical pumping. New Journal of Physics, 2011, 13, 023022.	1.2	24
152	Charge control in laterally coupled double quantum dots. Physical Review B, 2011, 84, .	1.1	27
153	Single quantum dot emission at telecom wavelengths from metamorphic InAs/InGaAs nanostructures grown on GaAs substrates. Applied Physics Letters, 2011, 98, .	1.5	50
154	Thermal activated carrier transfer between InAs quantum dots in very low density samples. Journal of Physics: Conference Series, 2010, 210, 012015.	0.3	0
155	Emission properties of single InAs/GaAs quantum dot pairs and molecules grown in GaAs nanoholes. Journal of Physics: Conference Series, 2010, 210, 012028.	0.3	1
156	Au-PVA Nanocomposite Negative Resist for One-Step Three-Dimensional e-Beam Lithography. Langmuir, 2010, 26, 2825-2830.	1.6	35
157	Resist-based silver nanocomposites synthesized by lithographic methods. Microelectronic Engineering, 2010, 87, 1147-1149.	1.1	21
158	On the anomalous Stark effect in a thin disc-shaped quantum dot. Journal of Physics Condensed Matter, 2010, 22, 375301.	0.7	24
159	Laser-Ablation-Induced Synthesis of SiO₂-Capped Noble Metal Nanoparticles in a Single Step. Langmuir, 2010, 26, 7458-7463.	1.6	77
160	Genetic algorithm designed silicon integrated photonic lens operating at 1550 nm. Applied Physics Letters, 2010, 97, 071115.	1.5	12
161	Ag and Au/DNQ-novolac nanocomposites patternable by ultraviolet lithography: a fast route to plasmonic sensor microfabrication. Journal of Materials Chemistry, 2010, 20, 7436.	6.7	34
162	Electrical control of a laterally ordered InAs/InP quantum dash array. Nanotechnology, 2009, 20, 475202.	1.3	6

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163	Development of self-assembled bacterial celluloseâ€“starch nanocomposites. Materials Science and Engineering C, 2009, 29, 1098-1104.	3.8	158
164	Continuous-wave dual-wavelength operation at 1062 and 1338nm in Nd3+:YAl3(BO3)4 and observation of yellow laser light generation at 592nm by their self-sum-frequency-mixing. Optics Communications, 2009, 282, 1619-1621.	1.0	16
165	SNOM study of ferroelectric domains in doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>LiNbO</mml:mi></mml:mstyle></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math> crystals. Physics Procedia, 2009, 2, 479-482.	1.2	3
166	Optical properties of different polymer thin films containing in situ synthesized Ag and Au nanoparticles. New Journal of Chemistry, 2009, 33, 1720.	1.4	39
167	Localized surface plasmon resonance sensor based on Ag-PVA nanocomposite thin films. Journal of Materials Chemistry, 2009, 19, 9233.	6.7	59
168	Scalable heterogeneous synthesis of metallic nanoparticles and aggregates with polyvinyl alcohol. New Journal of Chemistry, 2009, 33, 913.	1.4	37
169	Single Photon Emission from Site-Controlled InAs Quantum Dots Grown on GaAs(001) Patterned Substrates. ACS Nano, 2009, 3, 1513-1517.	7.3	50
170	InGaAs Quantum Dots Coupled to a Reservoir of Nonequilibrium Free Carriers. IEEE Journal of Quantum Electronics, 2009, 45, 1121-1128.	1.0	28
171	Competition between carrier recombination and tunneling in quantum dots and rings under the action of electric fields. Superlattices and Microstructures, 2008, 43, 582-587.	1.4	3
172	Exciton, biexciton and trion recombination dynamics in a single quantum dot under selective optical pumping. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2100-2103.	1.3	9
173	A novel method of nanocrystal fabrication based on laser ablation in liquid environment. Superlattices and Microstructures, 2008, 43, 487-493.	1.4	37
174	Optical switching of quantum states inside self-assembled quantum dots. Superlattices and Microstructures, 2008, 43, 494-499.	1.4	1
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