Josep Canet-Ferrer

List of Publications by Year
in descending order

52 papers	1,609 citations	331538 21 h-index	289141 40 g-index
53 all docs	53 docs citations	53 times ranked	3260 citing authors

#	Article	IF	Citations
1	Photoluminescence Enhancement by Band Alignment Engineering in MoS₂/FePS₃ van der Waals Heterostructures. ACS Applied Materials & Interfaces, 2022, 14, 33482-33490.	4.0	8
2	Phonon properties and photo-thermal oxidation of micromechanically exfoliated antimonene nanosheets. 2D Materials, 2021, 8, 015018.	2.0	17
3	Spin-crossover nanoparticles anchored on MoS2 layers for heterostructures with tunable strain driven by thermal or light-induced spin switching. Nature Chemistry, 2021, 13, 1101-1109.	6.6	52
4	Slow relaxation of the magnetization, reversible solvent exchange and luminescence in 2D anilato-based frameworks. Chemical Communications, 2020, 56, 9862-9865.	2.2	21
5	Mirror effect in atomic force microscopy profiles enables tip reconstruction. Scientific Reports, 2020, 10, 18911.	1.6	10
6	WS₂/MoS₂ Heterostructures through Thermal Treatment of MoS₂ Layers Electrostatically Functionalized with W₃S₄ Molecular Clusters. Chemistry - A European Journal, 2020, 26, 6670-6678.	1.7	6
7	Tunable plasmons in ultrathin metal films. Nature Photonics, 2019, 13, 328-333.	15.6	181
8	Stroboscopic Space Tag for Optical Time-Resolved Measurements with a Charge Coupled Device Detector. ACS Photonics, 2019, 6, 181-188.	3.2	3
9	Electrically Driven Varifocal Silicon Metalens. ACS Photonics, 2018, 5, 4497-4503.	3.2	85
10	A Local Study of the Transport Mechanisms in MoS₂ Layers for Magnetic Tunnel Junctions. ACS Applied Materials & Interfaces, 2018, 10, 30017-30021.	4.0	8
11	Tuning the Structure and Properties of Lanthanoid Coordination Polymers with an Asymmetric Anilato Ligand. Magnetochemistry, 2018, 4, 6.	1.0	33
12	A fluorescent layered oxalato-based canted antiferromagnet. Dalton Transactions, 2018, 47, 11909-11916.	1.6	4
13	Direct growth of 2D and 3D graphene nano-structures over large glass substrates by tuning a sacrificial Cu-template layer. 2D Materials, 2017, 4, 025088.	2.0	22
14	Hybrid magnetiteâ€“gold nanoparticles as bifunctional magneticâ€“plasmonic systems: three representative cases. Nanoscale Horizons, 2017, 2, 205-216.	4.1	28
15	Tunable Complete Optical Absorption in Multilayer Structures Including Ge₂Sb₂Te₅ without Lithographic Patterns. Advanced Optical Materials, 2017, 5, 1600452.	3.6	47
16	A Family of Lanthanoid Dimers with Nitroanilato Bridges. Magnetochemistry, 2016, 2, 32.	1.0	18
17	Nonanuclear Spin-Crossover Complex Containing Iron(II) and Iron(III) Based on a 2,6-Bis(pyrazol-1-yl)pyridine Ligand Functionalized with a Carboxylate Group. Inorganic Chemistry, 2016, 55, 9361-9367.	1.9	28
18	Fabrication and characterization of near thresholdless lasers at room temperature. , 2015, , .		0

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19	Imaging the Magnetic Reversal of Isolated and Organized Molecularâ€Based Nanoparticles using Magnetic Force Microscopy. Particle and Particle Systems Characterization, 2015, 32, 693-700.	1.2	15
20	Near thresholdless laser operation at room temperature. Optica, 2015, 2, 66.	4.8	48
21	Free spectral range enlargement by selective suppression of optical modes in photonic crystal L7 microcavities. , 2015, , .		1
22	Correction of the tip convolution effects in the imaging of nanostructures studied through scanning force microscopy. Nanotechnology, 2014, 25, 395703.	1.3	117
23	Electronic structure, optical properties, and lattice dynamics in atomically thin indium selenide flakes. Nano Research, 2014, 7, 1556-1568.	5.8	160
24	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
25	Exciton and multiexciton optical properties of single InAs/GaAs site-controlled quantum dots. Applied Physics Letters, 2013, 103, .	1.5	8
26	Excitation power dependence of the Purcell effect in photonic crystal microcavity lasers with quantum wires. Applied Physics Letters, 2013, 102, 201105.	1.5	13
27	Purcell effect in photonic crystal microcavities embedding InAs/InP quantum wires. Optics Express, 2012, 20, 7901.	1.7	27
28	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
29	Different strategies towards the deterministic coupling of a single Quantum Dot to a photonic crystal cavity mode. , 2011, , .		0
30	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
31	Near-Field Scanning Optical Microscopy Applied to the Study of Ferroelectric Materials. , 2011, , .		0
32	Formation and Emission Properties of Single InGaAsâ•GaAs Quantum Dots and Pairs Grown by Droplet Epitaxy. AIP Conference Proceedings, 2011, , .	0.3	0
33	Charge control in laterally coupled double quantum dots. Physical Review B, 2011, 84, .	1.1	27
34	Single quantum dot emission at telecom wavelengths from metamorphic InAs/InGaAs nanostructures grown on GaAs substrates. Applied Physics Letters, 2011, 98, .	1.5	50
35	Thermal activated carrier transfer between InAs quantum dots in very low density samples. Journal of Physics: Conference Series, 2010, 210, 012015.	0.3	0
36	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

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37	Au-PVA Nanocomposite Negative Resist for One-Step Three-Dimensional e-Beam Lithography. Langmuir, 2010, 26, 2825-2830.	1.6	35
38	Resist-based silver nanocomposites synthesized by lithographic methods. Microelectronic Engineering, 2010, 87, 1147-1149.	1.1	21
39	Development of self-assembled bacterial celluloseâ€“starch nanocomposites. Materials Science and Engineering C, 2009, 29, 1098-1104.	3.8	158
40	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></mm crystals. Physics Procedia, 2009, 2, 479-492.	1.2	3
41	Localized surface plasmon resonance sensor based on Ag-PVA nanocomposite thin films. Journal of Materials Chemistry, 2009, 19, 9233.	6.7	59
42	Scalable heterogeneous synthesis of metallic nanoparticles and aggregates with polyvinyl alcohol. New Journal of Chemistry, 2009, 33, 913.	1.4	37
43	Single Photon Emission from Site-Controlled InAs Quantum Dots Grown on GaAs(001) Patterned Substrates. ACS Nano, 2009, 3, 1513-1517.	7.3	50
44	High-resolution electron-beam patternable nanocomposite containing metal nanoparticles for plasmonics. Nanotechnology, 2008, 19, 355308.	1.3	75
45	Near-field scanning optical microscopy to study nanometric structural details of LiNbO3 Zn-diffused channel waveguides. Journal of Applied Physics, 2008, 104, 094313.	1.1	2
46	Exciton Gas Compression and Metallic Condensation in a Single Semiconductor Quantum Wire. Physical Review Letters, 2008, 101, 067405.	2.9	20
47	Morphological Characterisation of Bacterial Cellulose-Starch Nanocomposites. Polymers and Polymer Composites, 2008, 16, 181-185.	1.0	54
48	Photonic effect study on polystyrene 3D-photonic crystals at near-field range: dependence on the wavelength and on the lattice parameter. , 2007, , .		0
49	Scanning near-field optical microscopy (SNOM) of lithium niobate aperiodically poled during growth. , 2007, , .		0
50	Scanning probe microscopies applied to the study of the domain wall in a ferroelectric crystal. Journal of Microscopy, 2007, 226, 133-139.	0.8	4
51	MicroscopÃas de barrido aplicadas al estudio de los dominios y las paredes de dominio en un cristal ferroelÃ©ctrico de KNbO₃. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2006, 45, 218-222.	0.9	6
52	Estudios de microscopÃa Ã³ptica de campo cercano y de fuerza atÃ³mica en RbTiOPO₄ monocristalino con dominios ferroelÃ©ctricos. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2006, 45, 223-227.	0.9	1