

Josep Canet-Ferrer

List of Publications by Year in descending order

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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	Tunable plasmons in ultrathin metal films. <i>Nature Photonics</i> , 2019, 13, 328-333.	15.6	181
2	Electronic structure, optical properties, and lattice dynamics in atomically thin indium selenide flakes. <i>Nano Research</i> , 2014, 7, 1556-1568.	5.8	160
3	Development of self-assembled bacterial cellulose-starch nanocomposites. <i>Materials Science and Engineering C</i> , 2009, 29, 1098-1104.	3.8	158
4	Correction of the tip convolution effects in the imaging of nanostructures studied through scanning force microscopy. <i>Nanotechnology</i> , 2014, 25, 395703.	1.3	117
5	Electrically Driven Varifocal Silicon Metalens. <i>ACS Photonics</i> , 2018, 5, 4497-4503.	3.2	85
6	High-resolution electron-beam patternable nanocomposite containing metal nanoparticles for plasmonics. <i>Nanotechnology</i> , 2008, 19, 355308.	1.3	75
7	Localized surface plasmon resonance sensor based on Ag-PVA nanocomposite thin films. <i>Journal of Materials Chemistry</i> , 2009, 19, 9233.	6.7	59
8	Morphological Characterisation of Bacterial Cellulose-Starch Nanocomposites. <i>Polymers and Polymer Composites</i> , 2008, 16, 181-185.	1.0	54
9	Spin-crossover nanoparticles anchored on MoS ₂ layers for heterostructures with tunable strain driven by thermal or light-induced spin switching. <i>Nature Chemistry</i> , 2021, 13, 1101-1109.	6.6	52
10	Single Photon Emission from Site-Controlled InAs Quantum Dots Grown on GaAs(001) Patterned Substrates. <i>ACS Nano</i> , 2009, 3, 1513-1517.	7.3	50
11	Single quantum dot emission at telecom wavelengths from metamorphic InAs/InGaAs nanostructures grown on GaAs substrates. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	50
12	Near thresholdless laser operation at room temperature. <i>Optica</i> , 2015, 2, 66.	4.8	48
13	Tunable Complete Optical Absorption in Multilayer Structures Including Ge ₂ Sb ₂ Te ₅ without Lithographic Patterns. <i>Advanced Optical Materials</i> , 2017, 5, 1600452.	3.6	47
14	Scalable heterogeneous synthesis of metallic nanoparticles and aggregates with polyvinyl alcohol. <i>New Journal of Chemistry</i> , 2009, 33, 913.	1.4	37
15	Au-PVA Nanocomposite Negative Resist for One-Step Three-Dimensional e-Beam Lithography. <i>Langmuir</i> , 2010, 26, 2825-2830.	1.6	35
16	Tuning the Structure and Properties of Lanthanoid Coordination Polymers with an Asymmetric Anilato Ligand. <i>Magnetochemistry</i> , 2018, 4, 6.	1.0	33
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. <i>Inorganic Chemistry</i> , 2016, 55, 9361-9367.	1.9	28
18	Hybrid magnetite-gold nanoparticles as bifunctional magnetic-plasmonic systems: three representative cases. <i>Nanoscale Horizons</i> , 2017, 2, 205-216.	4.1	28

#	ARTICLE	IF	CITATIONS
19	Charge control in laterally coupled double quantum dots. <i>Physical Review B</i> , 2011, 84, .	1.1	27
20	Purcell effect in photonic crystal microcavities embedding InAs/InP quantum wires. <i>Optics Express</i> , 2012, 20, 7901.	1.7	27
21	Direct growth of 2D and 3D graphene nano-structures over large glass substrates by tuning a sacrificial Cu-template layer. <i>2D Materials</i> , 2017, 4, 025088.	2.0	22
22	Resist-based silver nanocomposites synthesized by lithographic methods. <i>Microelectronic Engineering</i> , 2010, 87, 1147-1149.	1.1	21
23	Slow relaxation of the magnetization, reversible solvent exchange and luminescence in 2D anilato-based frameworks. <i>Chemical Communications</i> , 2020, 56, 9862-9865.	2.2	21
24	Exciton Gas Compression and Metallic Condensation in a Single Semiconductor Quantum Wire. <i>Physical Review Letters</i> , 2008, 101, 067405.	2.9	20
25	Size dependent carrier thermal escape and transfer in bimodally distributed self assembled InAs/GaAs quantum dots. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	19
26	A Family of Lanthanoid Dimers with Nitroanilato Bridges. <i>Magnetochemistry</i> , 2016, 2, 32.	1.0	18
27	Phonon properties and photo-thermal oxidation of micromechanically exfoliated antimonene nanosheets. <i>2D Materials</i> , 2021, 8, 015018.	2.0	17
28	Two-Color Single-Photon Emission from InAs Quantum Dots: Toward Logic Information Management Using Quantum Light. <i>Nano Letters</i> , 2014, 14, 456-463.	4.5	16
29	Imaging the Magnetic Reversal of Isolated and Organized Molecular-Based Nanoparticles using Magnetic Force Microscopy. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 693-700.	1.2	15
30	Excitation power dependence of the Purcell effect in photonic crystal microcavity lasers with quantum wires. <i>Applied Physics Letters</i> , 2013, 102, 201105.	1.5	13
31	Localization effects on recombination dynamics in InAs/InP self-assembled quantum wires emitting at 1.5 μm . <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	11
32	Mirror effect in atomic force microscopy profiles enables tip reconstruction. <i>Scientific Reports</i> , 2020, 10, 18911.	1.6	10
33	Exciton and multiexciton optical properties of single InAs/GaAs site-controlled quantum dots. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	8
34	A Local Study of the Transport Mechanisms in MoS ₂ Layers for Magnetic Tunnel Junctions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30017-30021.	4.0	8
35	Photoluminescence Enhancement by Band Alignment Engineering in MoS ₂ /FePS ₃ van der Waals Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 33482-33490.	4.0	8
36	WS ₂ /MoS ₂ Heterostructures through Thermal Treatment of MoS ₂ Layers Electrostatically Functionalized with W ₃ S ₄ Molecular Clusters. <i>Chemistry - A European Journal</i> , 2020, 26, 6670-6678.	1.7	6

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37	Microscopías de barrido aplicadas al estudio de los dominios y las paredes de dominio en un cristal ferroeléctrico de KNbO_3 . Boletín De La Sociedad Española De Cerámica Y Vidrio, 2006, 45, 218-222.	0.9	6
38	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
39	A fluorescent layered oxalato-based canted antiferromagnet. Dalton Transactions, 2018, 47, 11909-11916.	1.6	4
40	SNOM study of ferroelectric domains in doped LiNbO_3 crystals. Physics Procedia, 2009, 2, 479-492.	1.2	3
41	Stroboscopic Space Tag for Optical Time-Resolved Measurements with a Charge Coupled Device Detector. ACS Photonics, 2019, 6, 181-188.	3.2	3
42	Near-field scanning optical microscopy to study nanometric structural details of LiNbO_3 Zn-diffused channel waveguides. Journal of Applied Physics, 2008, 104, 094313.	1.1	2
43	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
44	Free spectral range enlargement by selective suppression of optical modes in photonic crystal L7 microcavities. , 2015, , .		1
45	Estudios de microscopía óptica de campo cercano y de fuerza atómica en RbTiOPO_4 monocristalino con dominios ferroeléctricos. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2006, 45, 223-227.	0.9	1
46	Photonic effect study on polystyrene 3D-photonic crystals at near-field range: dependence on the wavelength and on the lattice parameter. , 2007, , .		0
47	Scanning near-field optical microscopy (SNOM) of lithium niobate aperiodically poled during growth. , 2007, , .		0
48	Thermal activated carrier transfer between InAs quantum dots in very low density samples. Journal of Physics: Conference Series, 2010, 210, 012015.	0.3	0
49	Different strategies towards the deterministic coupling of a single Quantum Dot to a photonic crystal cavity mode. , 2011, , .		0
50	Near-Field Scanning Optical Microscopy Applied to the Study of Ferroelectric Materials. , 2011, , .		0
51	Formation and Emission Properties of Single InGaAs/GaAs Quantum Dots and Pairs Grown by Droplet Epitaxy. AIP Conference Proceedings, 2011, , .	0.3	0
52	Fabrication and characterization of near thresholdless lasers at room temperature. , 2015, , .		0