Juan F Galisteo LÃ³pez

List of Publications by Year
in descending order

53 papers	2,416 citations	279798 23 h-index	206112 48 g-index
53 all docs	53 docs citations	53 times ranked	3453 citing authors

#	Article	IF	Citations
1	Selfâ€Assembled Photonic Structures. Advanced Materials, 2011, 23, 30-69.	21.0	583
2	Environmental Effects on the Photophysics of Organicâ€“Inorganic Halide Perovskites. Journal of Physical Chemistry Letters, 2015, 6, 2200-2205.	4.6	205
3	Optical study of the pseudogap in thickness and orientation controlled artificial opals. Physical Review B, 2003, 68, .	3.2	188
4	Engineered Planar Defects Embedded in Opals. Advanced Materials, 2004, 16, 341-345.	21.0	143
5	Origin of Light-Induced Photophysical Effects in Organic Metal Halide Perovskites in the Presence of Oxygen. Journal of Physical Chemistry Letters, 2018, 9, 3891-3896.	4.6	109
6	Optical diffraction and high-energy features in three-dimensional photonic crystals. Physical Review B, 2005, 71, .	3.2	96
7	Enhancement and Directionality of Spontaneous Emission in Hybrid Selfâ€Assembled Photonicâ€“Plasmonic Crystals. Small, 2010, 6, 1757-1761.	10.0	78
8	High-energy optical response of artificial opals. Physical Review B, 2004, 70, .	3.2	73
9	Experimental evidence of polarization dependence in the optical response of opal-based photonic crystals. Applied Physics Letters, 2003, 82, 4068-4070.	3.3	67
10	Light confinement by two-dimensional arrays of dielectric spheres. Physical Review B, 2012, 85, .	3.2	62
11	All-optical switching in 2D silicon photonic crystals with low loss waveguides and optical cavities. Optics Express, 2008, 16, 11624.	3.4	59
12	Self-assembly approach to optical metamaterials. Journal of Optics, 2005, 7, S244-S254.	1.5	56
13	Effective refractive index and group velocity determination of three-dimensional photonic crystals by means of white light interferometry. Physical Review B, 2006, 73, .	3.2	55
14	Angle-resolved reflectivity of single-domain photonic crystals: Effects of disorder. Physical Review E, 2002, 66, 036616.	2.1	54
15	High Degree of Optical Tunability of Selfâ€Assembled Photonicâ€Plasmonic Crystals by Filling Fraction Modification. Advanced Functional Materials, 2010, 20, 4338-4343.	14.9	45
16	Three-Dimensional Optical Tomography and Correlated Elemental Analysis of Hybrid Perovskite Microstructures: An Insight into Defect-Related Lattice Distortion and Photoinduced Ion Migration. Journal of Physical Chemistry Letters, 2016, 7, 5227-5234.	4.6	37
17	BaMgF₄: An Ultraâ€Transparent Twoâ€Dimensional Nonlinear Photonic Crystal with Strong Ï‡⁽³⁾ Response in the UV Spectral Region. Advanced Functional Materials, 2014, 24, 1509-1518.	14.9	36
18	FRET-Tuned Resonant Random Lasing. Journal of Physical Chemistry C, 2014, 118, 9665-9669.	3.1	29

#	Article	IF	Citations
19	Optical response with threefold symmetry axis on oriented microdomains of opal photonic crystals. Physical Review B, 2008, 78, .	3.2	28
20	Simultaneous generation of second to fifth harmonic conical beams in a two dimensional nonlinear photonic crystal. Optics Express, 2012, 20, 29940.	3.4	26
21	Slow to superluminal light waves in thin 3D photonic crystals. Optics Express, 2007, 15, 15342.	3.4	25
22	Protective Ligand Shells for Luminescent SiO₂-Coated Alloyed Semiconductor Nanocrystals. ACS Applied Materials & Interfaces, 2015, 7, 6935-6945.	8.0	25
23	Studying Light Propagation in Self-Assembled Hybrid Photonicâ€“Plasmonic Crystals by Fourier Microscopy. Langmuir, 2012, 28, 9174-9179.	3.5	24
24	Photophysical Analysis of the Formation of Organicâ€“Inorganic Trihalide Perovskite Films: Identification and Characterization of Crystal Nucleation and Growth. Journal of Physical Chemistry C, 2016, 120, 3071-3076.	3.1	23
25	Tunable magneto-photonic response of nickel nanostructures. Applied Physics Letters, 2011, 99, .	3.3	22
26	Highly Efficient and Environmentally Stable Flexible Color Converters Based on Confined CH₃NH₃PbBr₃ Nanocrystals. ACS Applied Materials & Interfaces, 2018, 10, 38334-38340.	8.0	20
27	Local Rearrangement of the Iodide Defect Structure Determines the Phase Segregation Effect in Mixed-Halide Perovskites. Journal of Physical Chemistry Letters, 2020, 11, 4911-4916.	4.6	20
28	Tuning and optical study of the Î“X and Î“L photonic pseudogaps in opals. Applied Physics Letters, 2005, 87, 201109.	3.3	19
29	Flexible and Adaptable Lightâ€Emitting Coatings for Arbitrary Metal Surfaces based on Optical Tamm Mode Coupling. Advanced Optical Materials, 2018, 6, 1700560.	7.3	19
30	Three-dimensional photonic crystals as a cage for light. Comptes Rendus Physique, 2002, 3, 67-77.	0.9	17
31	Cellular Viscosity in Prokaryotes and Thermal Stability of Low Molecular Weight Biomolecules. Biophysical Journal, 2016, 111, 875-882.	0.5	17
32	Absorption and Emission of Light in Optoelectronic Nanomaterials: The Role of the Local Optical Environment. Journal of Physical Chemistry Letters, 2018, 9, 2077-2084.	4.6	17
33	Mechanism of Photoluminescence Intermittency in Organicâ€“Inorganic Perovskite Nanocrystals. ACS Applied Materials & Interfaces, 2019, 11, 6344-6349.	8.0	17
34	Phase delay and group velocity determination at a planar defect state in three dimensional photonic crystals. Applied Physics Letters, 2007, 90, 101113.	3.3	15
35	FRETâ€Mediated Amplified Spontaneous Emission in DNAâ€“CTMA Complexes. Advanced Optical Materials, 2013, 1, 651-656.	7.3	15
36	Spatially Resolved Analysis of Defect Annihilation and Recovery Dynamics in Metal Halide Perovskite Single Crystals. ACS Applied Energy Materials, 2019, 2, 6967-6972.	5.1	15

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37	3D photonic crystals from highly monodisperse FRET-based red luminescent PMMA spheres. Journal of Materials Chemistry C, 2015, 3, 3999-4006.	5.5	10
38	One-Step-Process Composite Colloidal Monolayers and Further Processing Aiming at Porous Membranes. Langmuir, 2012, 28, 13172-13180.	3.5	9
39	Nanophotonics for current and future white light-emitting devices. Journal of Applied Physics, 2021, 130, .	2.5	8
40	Optical response of artificial opals oriented along the Î“X direction. Applied Physics Letters, 2007, 90, 231112.	3.3	7
41	Tunable emission in dye-doped truxene-based organogels through RET. Journal of Materials Chemistry C, 2015, 3, 5764-5768.	5.5	7
42	The Complex Interplay of Lead Halide Perovskites with Their Surroundings. Advanced Optical Materials, 2021, 9, 2100133.	7.3	7
43	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
44	Ultrabroadband generation of multiple concurrent nonlinear coherent interactions in random quadratic media. Applied Physics Letters, 2013, 103, 101101.	3.3	5
45	The Role of the Atmosphere on the Photophysics of Ligandâ€Free Leadâ€Halide Perovskite Nanocrystals. Advanced Optical Materials, 2021, 9, 2100605.	7.3	5
46	Facile Synthesis of Hybrid Organicâ€“Inorganic Perovskite Microcubes of Optical Quality Using Polar Antisolvents. ACS Applied Materials & Interfaces, 2017, 9, 35505-35510.	8.0	4
47	Improving the Bulk Emission Properties of CH₃NH₃PbBr₃ by Modifying the Halide-Related Defect Structure. Journal of Physical Chemistry C, 2018, 122, 27250-27255.	3.1	4
48	Monitoring, Modeling, and Optimization of Lead Halide Perovskite Nanocrystal Growth within Porous Matrices. Journal of Physical Chemistry C, 2020, 124, 8041-8046.	3.1	2
49	Photonic slab heterostructures based on opals. , 2004, 5450, 1.		1
50	In-depth study of the pseudogap in artificial opals. , 2004, , .		1
51	Organic Opals: Properties and Applications. , 2015, , 31-55.		1
52	Full solution process approach for deterministic control of light emission at the nanoscale (Conference Presentation). , 2016, , .		0
53	Deterministic control of the emission from light sources in 1D nanoporous photonic crystals (Conference Presentation). , 2017, , .		0