

Fernando Ramiro-Manzano

List of Publications by Year in descending order

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45
papers

771
citations

394286
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all docs

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docs citations

45
times ranked

1215
citing authors

#	ARTICLE	IF	CITATIONS
1	Mirror-Image-Induced Magnetic Modes. ACS Nano, 2013, 7, 664-668.	7.3	61
2	Colloidal Crystal Wires. Advanced Materials, 2008, 20, 2315-2318.	11.1	58
3	Photonic crystals for applications in photoelectrochemical processes. Photonics and Nanostructures - Fundamentals and Applications, 2005, 3, 148-154.	1.0	43
4	Packing Confined Hard Spheres Denser with Adaptive Prism Phases. Physical Review Letters, 2012, 109, 218301.	2.9	42
5	Oscillatory Vertical Coupling between a Whispering-Gallery Resonator and a Bus Waveguide. Physical Review Letters, 2013, 110, 163901.	2.9	38
6	A fully integrated high-Q Whispering-Gallery Wedge Resonator. Optics Express, 2012, 20, 22934.	1.7	36
7	Apollony photonic sponge based photoelectrochemical solar cells. Chemical Communications, 2007, , 242-244.	2.2	33
8	Porous Silicon Microcavities Based Photonic Barcodes. Advanced Materials, 2011, 23, 3022-3025.	11.1	32
9	Solar energy harvesting in photoelectrochemical solar cells. Journal of Materials Chemistry, 2007, 17, 3205.	6.7	31
10	Enhancement of TiO ₂ photocatalytic activity by structuring the photocatalyst film as photonic sponge. Photochemical and Photobiological Sciences, 2008, 7, 931-935.	1.6	28
11	Faceting and Commensurability in Crystal Structures of Colloidal Thin Films. Physical Review Letters, 2006, 97, 028304.	2.9	26
12	Thermo-optic coefficient and nonlinear refractive index of silicon oxynitride waveguides. AIP Advances, 2018, 8, .	0.6	26
13	Layering transitions in confined colloidal crystals: The hcp-like phase. Physical Review E, 2007, 76, 050401.	0.8	23
14	Porous silicon microspheres: synthesis, characterization and application to photonic microcavities. Journal of Materials Chemistry, 2010, 20, 5210.	6.7	23
15	Intermode reactive coupling induced by waveguide-resonator interaction. Physical Review A, 2014, 90, .	1.0	23
16	Thermo-optical bistability with Si nanocrystals in a whispering gallery mode resonator. Optics Letters, 2013, 38, 3562.	1.7	21
17	Layering transitions in colloidal crystal thin films between 1 and 4 monolayers. Soft Matter, 2009, 5, 4279.	1.2	20
18	Silicon nanocrystals for nonlinear optics and secure communications. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2659-2671.	0.8	20

#	ARTICLE	IF	CITATIONS
19	Single Crystal Growth of Hybrid Lead Bromide Perovskites Using a Spin-Coating Method. ACS Omega, 2018, 3, 5229-5236.	1.6	20
20	Role of Edge Inclination in an Optical Microdisk Resonator for Label-Free Sensing. Sensors, 2015, 15, 4796-4809.	2.1	19
21	Catalyst-free one step synthesis of large area vertically stacked N-doped graphene-boron nitride heterostructures from biomass source. Nanoscale, 2018, 10, 4391-4397.	2.8	19
22	Unidirectional reflection from an integrated ω -microresonator. Photonics Research, 2020, 8, 1333.	3.4	19
23	Chaotic dynamics in coupled resonator sequences. Optics Express, 2014, 22, 14505.	1.7	14
24	Colloidal Crystal Thin Films Grown into Corrugated Surface Templates. Langmuir, 2010, 26, 4559-4562.	1.6	13
25	Pump-and-probe optical transmission phase shift as a quantitative probe of the Bogoliubov dispersion relation in a nonlinear channel waveguide. European Physical Journal D, 2017, 71, 1.	0.6	10
26	Silicon colloids: A new enabling nanomaterial. Journal of Applied Physics, 2011, 109, 102424.	1.1	9
27	Complete crossing of Fano resonances in an optical microcavity via nonlinear tuning. Photonics Research, 2017, 5, 168.	3.4	9
28	Hermitian and Non-Hermitian Mode Coupling in a Microdisk Resonator Due to Stochastic Surface Roughness Scattering. IEEE Photonics Journal, 2019, 11, 1-14.	1.0	8
29	Wavelength Dependence of a Vertically Coupled Resonator-Waveguide System. Journal of Lightwave Technology, 2016, 34, 5385-5390.	2.7	6
30	Stimulated degenerate four-wave mixing in Si nanocrystal waveguides. Journal of Optics (United Kingdom), 2010, 10, 103001.	1.0	6
31	Groove-assisted solution growth of lead bromide perovskite aligned nanowires: a simple method towards photoluminescent materials with guiding light properties. Materials Chemistry Frontiers, 2019, 3, 1754-1760.	3.2	6
32	Thermal Emission of Silicon at Near-Infrared Frequencies Mediated by Mie Resonances. ACS Photonics, 2019, 6, 3174-3179.	3.2	6
33	Porous silicon microcavities: synthesis, characterization, and application to photonic barcode devices. Nanoscale Research Letters, 2012, 7, 497.	3.1	5
34	Multi-mode interference revealed by two photon absorption in silicon rich SiO ₂ waveguides. Applied Physics Letters, 2015, 106, .	1.5	5
35	Microring Resonators and Silicon Photonics. MRS Advances, 2016, 1, 3281-3293.	0.5	3
36	Optical properties of organic/inorganic perovskite microcrystals through the characterization of Fabry-Pérot resonances. Dalton Transactions, 2020, 49, 12798-12804.	1.6	3

#	ARTICLE	IF	CITATIONS
37	Fabrication and characterization of colloidal crystal thin films. European Journal of Physics, 2011, 32, 505-515.	0.3	2
38	A Free-Space Interferometer for Phase-Delay Measurements in Integrated Optical Devices in Degenerate Pump-and-Probe Experiments. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2863-2871.	2.4	2
39	Silicon-based monolithically integrated whispering-gallery mode resonators with buried waveguides. , 2012, , .		1
40	Silicon-based monolithically integrated whispering-gallery mode resonators. Proceedings of SPIE, 2013, , .	0.8	1
41	Monolithic integration of high-Q wedge resonators with vertically coupled waveguides. , 2013, , .		1
42	Silicon photonic integrated circuit for multi-mode fiber link. , 2015, , .		0
43	Off-diagonal photonic Lamb shift in reactively coupled waveguide-resonator system. Proceedings of SPIE, 2015, , .	0.8	0
44	A scalable reduced order modelling approach for whispering-gallery mode resonators. , 2016, , .		0
45	Nonlinear Silicon Photonics. , 2015, , .		0