

# Fernando Ramiro-Manzano

## List of Publications by Year in descending order

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45  
papers

771  
citations

394286  
19  
h-index

526166  
27  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical properties of organic/inorganic perovskite microcrystals through the characterization of Fabry-Pérot resonances. Dalton Transactions, 2020, 49, 12798-12804.	1.6	3
2	Unidirectional reflection from an integrated $\omega$ -microresonator. Photonics Research, 2020, 8, 1333.	3.4	19
3	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
4	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
5	Thermal Emission of Silicon at Near-Infrared Frequencies Mediated by Mie Resonances. ACS Photonics, 2019, 6, 3174-3179.	3.2	6
6	Thermo-optic coefficient and nonlinear refractive index of silicon oxynitride waveguides. AIP Advances, 2018, 8, .	0.6	26
7	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
8	Single Crystal Growth of Hybrid Lead Bromide Perovskites Using a Spin-Coating Method. ACS Omega, 2018, 3, 5229-5236.	1.6	20
9	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
10	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
11	Complete crossing of Fano resonances in an optical microcavity via nonlinear tuning. Photonics Research, 2017, 5, 168.	3.4	9
12	Microring Resonators and Silicon Photonics. MRS Advances, 2016, 1, 3281-3293.	0.5	3
13	A scalable reduced order modelling approach for whispering-gallery mode resonators. , 2016, , .		0
14	Wavelength Dependence of a Vertically Coupled Resonator-Waveguide System. Journal of Lightwave Technology, 2016, 34, 5385-5390.	2.7	6
15	Stimulated degenerate four-wave mixing in Si nanocrystal waveguides. Journal of Optics (United Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.0	6
16	Silicon photonic integrated circuit for multi-mode fiber link. , 2015, , .		0
17	Silicon nanocrystals for nonlinear optics and secure communications. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2659-2671.	0.8	20
18	Off-diagonal photonic Lamb shift in reactively coupled waveguide-resonator system. Proceedings of SPIE, 2015, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	Role of Edge Inclination in an Optical Microdisk Resonator for Label-Free Sensing. <i>Sensors</i> , 2015, 15, 4796-4809.	2.1	19
20	Multi-mode interference revealed by two photon absorption in silicon rich SiO <sub>2</sub> waveguides. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	5
21	Nonlinear Silicon Photonics. , 2015, , .		0
22	Chaotic dynamics in coupled resonator sequences. <i>Optics Express</i> , 2014, 22, 14505.	1.7	14
23	Intermode reactive coupling induced by waveguide-resonator interaction. <i>Physical Review A</i> , 2014, 90, .	1.0	23
24	Silicon-based monolithically integrated whispering-gallery mode resonators. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
25	Mirror-Image-Induced Magnetic Modes. <i>ACS Nano</i> , 2013, 7, 664-668.	7.3	61
26	Oscillatory Vertical Coupling between a Whispering-Gallery Resonator and a Bus Waveguide. <i>Physical Review Letters</i> , 2013, 110, 163901.	2.9	38
27	Monolithic integration of high-Q wedge resonators with vertically coupled waveguides. , 2013, , .		1
28	Thermo-optical bistability with Si nanocrystals in a whispering gallery mode resonator. <i>Optics Letters</i> , 2013, 38, 3562.	1.7	21
29	A fully integrated high-Q Whispering-Gallery Wedge Resonator. <i>Optics Express</i> , 2012, 20, 22934.	1.7	36
30	Silicon-based monolithically integrated whispering-gallery mode resonators with buried waveguides. , 2012, , .		1
31	Packing Confined Hard Spheres Denser with Adaptive Prism Phases. <i>Physical Review Letters</i> , 2012, 109, 218301.	2.9	42
32	Porous silicon microcavities: synthesis, characterization, and application to photonic barcode devices. <i>Nanoscale Research Letters</i> , 2012, 7, 497.	3.1	5
33	Silicon colloids: A new enabling nanomaterial. <i>Journal of Applied Physics</i> , 2011, 109, 102424.	1.1	9
34	Porous Silicon Microcavities Based Photonic Barcodes. <i>Advanced Materials</i> , 2011, 23, 3022-3025.	11.1	32
35	Fabrication and characterization of colloidal crystal thin films. <i>European Journal of Physics</i> , 2011, 32, 505-515.	0.3	2
36	Colloidal Crystal Thin Films Grown into Corrugated Surface Templates. <i>Langmuir</i> , 2010, 26, 4559-4562.	1.6	13

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37	Porous silicon microspheres: synthesis, characterization and application to photonic microcavities. Journal of Materials Chemistry, 2010, 20, 5210.	6.7	23
38	Layering transitions in colloidal crystal thin films between 1 and 4 monolayers. Soft Matter, 2009, 5, 4279.	1.2	20
39	Colloidal Crystal Wires. Advanced Materials, 2008, 20, 2315-2318.	11.1	58
40	Enhancement of TiO <sub>2</sub> photocatalytic activity by structuring the photocatalyst film as photonic sponge. Photochemical and Photobiological Sciences, 2008, 7, 931-935.	1.6	28
41	Layering transitions in confined colloidal crystals: The hcp-like phase. Physical Review E, 2007, 76, 050401.	0.8	23
42	Apollony photonic sponge based photoelectrochemical solar cells. Chemical Communications, 2007, , 242-244.	2.2	33
43	Solar energy harvesting in photoelectrochemical solar cells. Journal of Materials Chemistry, 2007, 17, 3205.	6.7	31
44	Faceting and Commensurability in Crystal Structures of Colloidal Thin Films. Physical Review Letters, 2006, 97, 028304.	2.9	26
45	Photonic crystals for applications in photoelectrochemical processes. Photonics and Nanostructures - Fundamentals and Applications, 2005, 3, 148-154.	1.0	43