Pedro David Garcia Fernandez

List of Publications by Year
in descending order

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39 papers	2,096 citations	304368 22 h-index	360668 35 g-index
40 all docs	40 docs citations	40 times ranked	2169 citing authors

#	Article	IF	Citations
1	Highlyâ€Scatteringâ€Based Films for Radiative Cooling. Advanced Science, 2022, 9, e2104758.	5.6	63
2	Observation of slow light in glide-symmetric photonic-crystal waveguides. Optics Express, 2022, 30, 12565.	1.7	6
3	Simulations of micro-sphere/shell 2D silica photonic crystals for radiative cooling. Optics Express, 2021, 29, 16857.	1.7	11
4	Quantifying the Robustness of Topological Slow Light. Physical Review Letters, 2021, 126, 027403.	2.9	54
5	A Selfâ€Assembled 2D Thermofunctional Material for Radiative Cooling. Small, 2019, 15, e1905290.	5.2	83
6	Anderson Photon-Phonon Colocalization in Certain Random Superlattices. Physical Review Letters, 2019, 122, 043903.	2.9	28
7	Coherent generation and detection of acoustic phonons in topological nanocavities. APL Photonics, 2019, 4, .	3.0	22
8	All-optical radio-frequency modulation of Anderson-localized modes. Physical Review B, 2018, 98, .	1.1	10
9	Nonlinear dynamics and chaos in an optomechanical beam. Nature Communications, 2017, 8, 14965.	5.8	75
10	Optomechanical coupling in the Anderson-localization regime. Physical Review B, 2017, 95, .	1.1	14
11	Two mechanisms of disorder-induced localization in photonic-crystal waveguides. Physical Review B, 2017, 96, .	1.1	19
12	Physics of Quantum Light Emitters in Disordered Photonic Nanostructures. Annalen Der Physik, 2017, 529, 1600351.	0.9	24
13	Self-sustained coherent phonon generation in optomechanical cavities. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overloc	1.0	12
14	Anderson localization to enhance light-matter interaction (Conference Presentation). , 2016, , .		0
15	Theory and experiments of disorder-induced resonance shifts and mode-edge broadening in deliberately disordered photonic crystal waveguides. Physical Review A, 2015, 92, .	1.0	25
16	Statistical measurements of quantum emitters coupled to Anderson-localized modes in disordered photonic-crystal waveguides. Optics Express, 2014, 22, 30992.	1.7	20
17	Random nanolasing in the Anderson localized regime. Nature Nanotechnology, 2014, 9, 285-289.	15.6	152
18	Disorder-induced resonance shifts and mode edge broadening in photonic crystal waveguides. , 2014, , .		0

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19	Quantifying the intrinsic amount of fabrication disorder in photonic-crystal waveguides from optical far-field intensity measurements. Applied Physics Letters, 2013, 102, 031101.	1.5	28
20	From Bloch to random lasing in ZnO self-assembled nanostructures. Journal of Materials Chemistry C, 2013, 1, 7357.	2.7	8
21	Nonuniversal Intensity Correlations in a Two-Dimensional Anderson-Localizing Random Medium. Physical Review Letters, 2012, 109, 253902.	2.9	34
22	Probing the statistical properties of Anderson localization with quantum emitters. New Journal of Physics, 2011, 13, 063044.	1.2	40
23	Photonic crystals with controlled disorder. Physical Review A, 2011, 84, .	1.0	45
24	Quantum Electrodynamics with Semiconductor Quantum Dots Coupled to Anderson-localized Random Cavities. , 2011, , .		0
25	Photonic Glasses: A Step Beyond White Paint. Advanced Materials, 2010, 22, 12-19.	11.1	148
26	Cavity Quantum Electrodynamics with Anderson-Localized Modes. Science, 2010, 327, 1352-1355.	6.0	293
27	Density of states controls Anderson localization in disordered photonic crystal waveguides. Physical Review B, 2010, 82, .	1.1	47
28	Strong dispersive effects in the light-scattering mean free path in photonic gaps. Physical Review B, 2009, 79, .	1.1	36
29	Mie resonances to tailor random lasers. Physical Review A, 2009, 80, .	1.0	20
30	Resonance-driven random lasers. , 2009, , .		0
31	Resonance-driven random lasing. Nature Photonics, 2008, 2, 429-432.	15.6	261
32	Resonant light transport through Mie modes in photonic glasses. Physical Review A, 2008, 78, .	1.0	62
33	Observation of Resonant Behavior in the Energy Velocity of Diffused Light. Physical Review Letters, 2007, 99, 233902.	2.9	73
34	Photonic Glass: A Novel Random Material for Light. Advanced Materials, 2007, 19, 2597-2602.	11.1	230
35	Quantum Dot Thin Layers Templated on ZnO Inverse Opals. Advanced Materials, 2006, 18, 2768-2772.	11.1	28
36	Opals for Photonic Band-Gap Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 1143-1150.	1.9	3

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37	Optical study of Î“L high energy photonic pseudogaps in ZnO inverted opals. Journal of Applied Physics, 2006, 99, 046103.	1.1	9
38	ZnO Inverse Opals by Chemical Vapor Deposition. Advanced Materials, 2005, 17, 2761-2765.	11.1	94
39	Tuning and optical study of the Î“X and Î“L photonic pseudogaps in opals. Applied Physics Letters, 2005, 87, 201109.	1.5	19