Felipe PÃ©rez-RodrÃ-guez

List of Publications by Year
in descending order

51 papers	2,082 citations	758635 12 h-index	233125 45 g-index
51 all docs	51 docs citations	51 times ranked	3879 citing authors

#	Article	IF	Citations
1	Excitation of weak and strong guided waves in a semiconductor slab and their strong coupling with confined magnetoexcitons. Physical Review B, 2022, 105, .	1.1	0
2	Light diffraction by a nanograting with bimetallic metamaterial. Optical Materials, 2021, 118, 111231.	1.7	4
3	Enhanced THz transmission through a grating with layered high-temperature superconductor. Low Temperature Physics, 2021, 47, 656-661.	0.2	0
4	Berreman effect in bimetallic nanolayered metamaterials. Optical Materials, 2020, 99, 109578.	1.7	4
5	Excitation of Josephson plasma waves in a layered high-temperature superconductor slab embedded in a high refractive index dielectric. Low Temperature Physics, 2020, 46, 531-537.	0.2	3
6	Magnetoexcitonâ€“photon coupling in a semiconductor quantum microcavity subjected to a parallel electric field. AIP Advances, 2020, 10, 065223.	0.6	3
7	Nonlocal electrodynamics of homogenized metal-dielectric photonic crystals. Journal of Optics (United Kingdom), 2019, 21, 085102.	1.0	6
8	Magnetic moment inversion at giant flux jump: dynamical property of critical state in type-II superconductors. Scientific Reports, 2019, 9, 6233.	1.6	3
9	Electrodynamics of superlattices with ultra-thin metal layers: quantum Landau damping and band gaps with nonzero density of states. Optical Materials Express, 2019, 9, 673.	1.6	3
10	Nonlocal optical response of a layered high-temperature superconductor slab. Low Temperature Physics, 2018, 44, 1272-1279.	0.2	6
11	Quantum resonances of Landau damping in the electromagnetic response of metallic nanoslabs. Optics Letters, 2018, 43, 2410.	1.7	4
12	Magnetic response of Fe nanoparticles embedded in artificial SiO2 opals. Journal of Magnetism and Magnetic Materials, 2018, 465, 252-259.	1.0	5
13	Nonlocal metasolid response of homogenized phononic crystals. Journal of Applied Physics, 2017, 121, 155102.	1.1	4
14	Transformation of the critical state in hard superconductors resulting from thermomagnetic avalanches. Low Temperature Physics, 2016, 42, 239-257.	0.2	4
15	Transmission of terahertz waves through layered superconductors controlled by a dc magnetic field. Physical Review B, 2016, 94, .	1.1	9
16	Quantization of Electromagnetic Modes in a Hyperbolic Negative-Index Layered Superconductor Slab. Acta Physica Polonica A, 2016, 130, 641-644.	0.2	6
17	Obtaining a Rough Flux Front in Type-II Superconductors Using a Critical State Model. Acta Physica Polonica A, 2016, 130, 645-648.	0.2	2
18	Plasma-phonon polaritons in superlattices of semimetal bismuth and polaritonic material. Optical Materials Express, 2015, 5, 2820.	1.6	4

#	Article	IF	Citations
19	Landau damping of electromagnetic transport via dielectricâ€“metal superlattices. Optics Letters, 2015, 40, 3588.	1.7	11
20	THz photonic bands of periodic stacks composed of resonant dielectric and nonlocal metal. Optical Materials Express, 2015, 5, 361.	1.6	8
21	Nonlocal effect on optic spectrum of a periodic dielectric-metal stack. Optics Express, 2014, 22, 7581.	1.7	13
22	Magnetic field penetration in MgB2 single crystals: Pinning and Meissner holes. Low Temperature Physics, 2014, 40, 621-625.	0.2	2
23	Bianisotropic metamaterials based on twisted asymmetric crosses. Journal of Optics (United Kingdom), 2014, 16, 065102.	1.0	7
24	Influence of Fe Ions on the Optical Properties of Feâ€“ZnO Inverse Opals. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2447-2449.	0.8	5
25	Enhanced transmission of terahertz radiation through a periodically modulated slab of layered superconductor. New Journal of Physics, 2013, 15, 023040.	1.2	11
26	On the extended elliptic critical-state model for hard superconductors. Superconductor Science and Technology, 2013, 26, 125001.	1.8	5
27	Metasolid with anisotropic mass density. Europhysics Letters, 2013, 103, 54001.	0.7	13
28	Effects of crystallization and dopant concentration on the emission behavior of TiO2:Eu nanophosphors. Nanoscale Research Letters, 2012, 7, 1.	3.1	1,685
29	Flux-cutting and flux-transport effects in type-II superconductor slabs in a parallel rotating magnetic field. Low Temperature Physics, 2011, 37, 947-956.	0.2	5
30	EFFECTIVE PERMITTIVITY TENSOR FOR A METAL-DIELECTRIC SUPERLATTICE. Progress in Electromagnetics Research Letters, 2011, 22, 165-174.	0.4	6
31	Photon-magnetoexciton coupling in quantum wells induced by in-plane electric field. Journal of Applied Physics, 2011, 109, 014303.	1.1	2
32	From photonic crystals to metamaterials: the bianisotropic response. New Journal of Physics, 2011, 13, 073041.	1.2	20
33	Anisotropy effects in homogenized magnetodielectric photonic crystals. Journal of Applied Physics, 2009, 106, .	1.1	24
34	Electromagnetic excitation of phonons at C(001) surfaces. Journal of Physics Condensed Matter, 2009, 21, 355010.	0.7	2
35	Exciton polaritons in one-dimensional metal-semiconductor photonic crystals. Journal of Nanoscience and Nanotechnology, 2008, 8, 6584-8.	0.9	0
36	Optical response of magnetoexcitons in near-surface double quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, S38-S41.	0.8	3

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37	Synthesis and characterization of Fe2O3â€“TiO2 thin films grown by the solâ€“gel method. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, S116-S120.	0.8	4
38	Manifestation of surface phonons in far infrared reflectivity of diamond-type semiconductors. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3065-3068.	0.8	3
39	Critical state of anisotropic hard superconductors. Superconductor Science and Technology, 2003, 16, 1273-1281.	1.8	13
40	Flux-line cutting in granular high-Tcand semi-reversible classical type-II superconductors. Superconductor Science and Technology, 2001, 14, 386-397.	1.8	13
41	Infrared 45ï¿½ Reflectometry of Anisotropic Ultrathin Films and Heterostructures. Physica Status Solidi (B): Basic Research, 2000, 219, 215-225.	0.7	7
42	Suppression of the magnetic moment under the action of a transverse magnetic field in hard superconductors. Physical Review B, 2000, 61, 15382-15391.	1.1	44
43	Light scattering from slightly rough semiconductor surfaces near exciton resonance. Physical Review B, 2000, 61, 15993-16005.	1.1	7
44	Infrared 45Â° reflectometry of very thin films. Journal of Applied Physics, 1999, 86, 1404-1409.	1.1	7
45	Manifestation of near-surface localized excitons in spectra of diffuse reflection of light. Physics of the Solid State, 1998, 40, 796-797.	0.2	3
46	Flux-line cutting in granular high-temperature superconductors. Physical Review B, 1997, 56, 3473-3480.	1.1	30
47	Interaction of excitons with a generalized Morse surface potential:p-polarization geometry of the incident light at a semiconductor surface. Physical Review B, 1996, 53, 10086-10093.	1.1	15
48	Interaction of electromagnetic waves in hard superconductors. Physica C: Superconductivity and Its Applications, 1995, 251, 50-60.	0.6	4
49	Interaction of exciton polaritons with the surface potential of thin semiconductor films:s-polarization geometry. Physical Review B, 1994, 50, 5404-5411.	1.1	13
50	Quantized polarization waves of excitons at semiconductor surfaces. Physical Review B, 1993, 48, 2016-2019.	1.1	11
51	Interaction of excitons with a generalized Morse surface potential:s-polarized incident light at a semiconductor surface. Physical Review B, 1992, 45, 11854-11862.	1.1	16