

jean-Marie poumirol

List of Publications by Year in descending order

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29
papers

1,366
citations

430442

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docs citations

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times ranked

2866
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared nanoplasmonic properties of hyperdoped embedded Si nanocrystals in the few electrons regime. <i>Nanophotonics</i> , 2022, 11, 3485-3493.	2.9	3
2	Hyper-Doped Silicon Nanoantennas and Metasurfaces for Tunable Infrared Plasmonics. <i>ACS Photonics</i> , 2021, 8, 1393-1399.	3.2	14
3	Ultracompact Binary Permanent Rare-Earth Magnet with 1.25-T Center Field and Fast-Decaying Stray Field. <i>Physical Review Applied</i> , 2021, 16, .	1.5	2
4	Unveiling the Optical Emission Channels of Monolayer Semiconductors Coupled to Silicon Nanoantennas. <i>ACS Photonics</i> , 2020, 7, 3106-3115.	3.2	16
5	High sensitivity variable-temperature infrared nanoscopy of conducting oxide interfaces. <i>Nature Communications</i> , 2019, 10, 2774.	5.8	16
6	Magnetically tunable graphene-based reflector under linear polarized incidence at room temperature. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	4
7	Magnetoplasmonic enhancement of Faraday rotation in patterned graphene metasurfaces. <i>Physical Review B</i> , 2018, 97, .	1.1	27
8	Nonlinear THz spectroscopy and simulation of gated graphene. <i>Journal of Physics Communications</i> , 2018, 2, 065016.	0.5	2
9	Electrically controlled terahertz magneto-optical phenomena in continuous and patterned graphene. <i>Nature Communications</i> , 2017, 8, 14626.	5.8	93
10	Near optimal graphene terahertz non-reciprocal isolator. <i>Nature Communications</i> , 2016, 7, 11216.	5.8	108
11	Isotope effect in superconducting n-doped SrTiO ₃ . <i>Scientific Reports</i> , 2016, 6, 37582.	1.6	72
12	Suppressed Magnetic Circular Dichroism and Valley-Selective Magnetoabsorption due to the Effective Mass Anisotropy in Bismuth. <i>Physical Review Letters</i> , 2016, 117, 017402.	2.9	7
13	Multicomponent Quantum Hall Ferromagnetism and Landau Level Crossing in Rhombohedral Trilayer Graphene. <i>Nano Letters</i> , 2016, 16, 227-231.	4.5	8
14	Hall and field-effect mobilities in few layered p-WSe ₂ field-effect transistors. <i>Scientific Reports</i> , 2015, 5, 8979.	1.6	107
15	Competition between spontaneous symmetry breaking and single-particle gaps in trilayer graphene. <i>Nature Communications</i> , 2014, 5, 5656.	5.8	57
16	Cyclotron resonance of single-valley Dirac fermions in nearly gapless HgTe quantum wells. <i>Physical Review B</i> , 2014, 89, .	1.1	27
17	New First Order Raman-active Modes in Few Layered Transition Metal Dichalcogenides. <i>Scientific Reports</i> , 2014, 4, 4215.	1.6	367
18	Magnetoplasmons in Quasineutral Epitaxial Graphene Nanoribbons. <i>Physical Review Letters</i> , 2013, 110, 246803.	2.9	30

#	ARTICLE	IF	CITATIONS
19	Measurement of Filling-Factor-Dependent Magnetophonon Resonances in Graphene Using Raman Spectroscopy. Physical Review Letters, 2013, 110, 227402.	2.9	28
20	Integer Quantum Hall Effect in Trilayer Graphene. Physical Review Letters, 2011, 107, 126806.	2.9	94
21	Determination of effective mass in InN by high-field oscillatory magnetoabsorption spectroscopy. Physical Review B, 2011, 83, .	1.1	34
22	Unveiling the Magnetic Structure of Graphene Nanoribbons. Physical Review Letters, 2011, 107, 086601.	2.9	64
23	Electric field doping of few-layer graphene. Physica B: Condensed Matter, 2010, 405, 1163-1167.	1.3	4
24	Edge magnetotransport fingerprints in disordered graphene nanoribbons. Physical Review B, 2010, 82, .	1.1	63
25	Impact of disorder on the $\nu = 1/2$ quantum Hall plateau in graphene. Physical Review B, 2010, 82, .		
26	Electron-hole coexistence in disordered graphene probed by high-field magneto-transport. New Journal of Physics, 2010, 12, 083006.	1.2	19
27	High magnetic field induced charge density waves and sign reversal of the Hall coefficient in graphite. Journal of Physics Condensed Matter, 2010, 22, 436004.	0.7	12
28	Electron cyclotron effective mass in indium nitride. Applied Physics Letters, 2010, 96, .	1.5	37
29	Anodic bonded graphene. Journal Physics D: Applied Physics, 2010, 43, 374013.	1.3	32