

Eva A A Pogna

List of Publications by Year in descending order

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46
papers

1,183
citations

430874

18
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377865

34
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47
all docs

47
docs citations

47
times ranked

2095
citing authors

#	ARTICLE	IF	CITATIONS
1	Photo-Induced Bandgap Renormalization Governs the Ultrafast Response of Single-Layer MoS ₂ . ACS Nano, 2016, 10, 1182-1188.	14.6	272
2	Out-of-plane heat transfer in van der Waals stacks through electron-phonon hyperbolic phonon coupling. Nature Nanotechnology, 2018, 13, 41-46.	31.5	128
3	Ultrafast valley relaxation dynamics in monolayer MoS ₂ by nonequilibrium optical techniques. Physical Review B, 2015, 92, .	14.9	76
4	Charge Photogeneration in Few-Layer MoS ₂ . Advanced Functional Materials, 2015, 25, 3351-3358.	14.9	76
5	Exciton and charge carrier dynamics in few-layer WS ₂ . Nanoscale, 2016, 8, 5428-5434.	5.6	61
6	Hot-Carrier Cooling in High-Quality Graphene Is Intrinsically Limited by Optical Phonons. ACS Nano, 2021, 15, 11285-11295.	14.6	43
7	Probing equilibrium glass flow up to exapoise viscosities. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2331-2336.	7.1	40
8	Optical tuning of dielectric nanoantennas for thermo-optically reconfigurable nonlinear metasurfaces. Optics Letters, 2021, 46, 2453.	3.3	40
9	Solution processable and optically switchable 1D photonic structures. Scientific Reports, 2018, 8, 3517.	3.3	38
10	Mapping propagation of collective modes in Bi ₂ Se ₃ and Bi ₂ Te _{2.2} Se _{0.8} topological insulators by near-field terahertz nanoscopy. Nature Communications, 2021, 12, 6672.	12.8	36
11	Unveiling the detection dynamics of semiconductor nanowire photodetectors by terahertz near-field nanoscopy. Light: Science and Applications, 2020, 9, 189.	16.6	31
12	Tunable, Grating-Gated, Graphene-On-Polyimide Terahertz Modulators. Advanced Functional Materials, 2021, 31, 2008039.	14.9	31
13	Ultrafast, All Optically Reconfigurable, Nonlinear Nanoantenna. ACS Nano, 2021, 15, 11150-11157.	14.6	30
14	Hot Electrons Modulation of Third-Harmonic Generation in Graphene. ACS Photonics, 2019, 6, 2841-2849.	6.6	29
15	Broadband nonlinear optical response of monolayer MoSe ₂ under ultrafast excitation. Applied Physics Letters, 2018, 112, .	3.3	25
16	Terahertz near-field nanoscopy based on detectorless laser feedback interferometry under different feedback regimes. APL Photonics, 2021, 6, .	5.7	23
17	Charge trapping and coalescence dynamics in few layer MoS ₂ . 2D Materials, 2018, 5, 015011.	4.4	20
18	Lattice Distortions Drive Electron-Hole Correlation within Micrometer-Size Lead-Iodide Perovskite Crystals. ACS Energy Letters, 2017, 2, 265-269.	17.4	19

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19	Photocatalytic activity of exfoliated graphite TiO_2 nanoparticle composites. <i>Nanoscale</i> , 2019, 11, 19301-19314.	5.6	18
20	Self-Induced Phase Locking of Terahertz Frequency Combs in a Phase-Sensitive Hyperspectral Near-Field Nanoscope. <i>Advanced Science</i> , 2022, 9, .	11.2	16
21	Self-mixing interferometry and near-field nanoscopy in quantum cascade random lasers at terahertz frequencies. <i>Nanophotonics</i> , 2021, 10, 1495-1503.	6.0	14
22	Electrically Tunable Nonequilibrium Optical Response of Graphene. <i>ACS Nano</i> , 2022, 16, 3613-3624.	14.6	13
23	Acoustic-like dynamics of amorphous drugs in the THz regime. <i>Scientific Reports</i> , 2013, 3, 2518.	3.3	12
24	Tracking the Connection between Disorder and Energy Landscape in Glasses Using Geologically Hyperaged Amber. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 427-432.	4.6	12
25	All-Optical Modulation with Dielectric Nanoantennas: Multiresonant Control and Ultrafast Spatial Inhomogeneities. <i>Small Science</i> , 2021, 1, 2000079.	9.9	11
26	Ultrafast nonequilibrium dynamics of strongly coupled resonances in the intrinsic cavity of W_2S_5 nanotubes. <i>Physical Review Research</i> , 2019, 1, .	3.6	11
27	Ultrafast Spectroscopy of Graphene-Protected Thin Copper Films. <i>ACS Photonics</i> , 2016, 3, 1508-1516.	6.6	8
28	Lattice dynamics and elastic properties of black phosphorus. <i>Physical Review B</i> , 2022, 105, .	3.2	8
29	Field-induced charge separation dynamics in monolayer MoS ₂ . <i>2D Materials</i> , 2017, 4, 035017.	4.4	6
30	Angle-tunable intersubband photoabsorption and enhanced photobleaching in twisted bilayer graphene. <i>Nano Research</i> , 2021, 14, 2797-2804.	10.4	6
31	Femtosecond spectroscopy on MoS ₂ flakes from liquid exfoliation: surfactant independent exciton dynamics. <i>Journal of Nanophotonics</i> , 2015, 10, 012508.	1.0	5
32	Tunable broadband light emission from graphene. <i>2D Materials</i> , 2021, 8, 035026.	4.4	5
33	Acoustic dynamics of supercooled indomethacin probed by Brillouin light scattering. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14206-14211.	2.8	3
34	Spatial coherence of electrically pumped random terahertz lasers. <i>Photonics Research</i> , 2022, 10, 524.	7.0	3
35	Intervalley scattering in monolayer MoS ₂ probed by non-equilibrium optical techniques. , 2015, , .		0
36	Tracking exciton-trion interplay in the transient optical properties of WS ₂ inks. , 2017, , .		0

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37	Non-equilibrium optical properties of encapsulated graphene. , 2017, , .		0
38	Ultrafast spin/valley decay processes in monolayer WS ₂ . , 2017, , .		0
39	All-Optical Ultrafast Control of Second Harmonic Generation in AlGaAs Nanopillars. , 2019, , .		0
40	Near-Field THz Photocurrent Nanoscopy of InAs Nanowires FET. , 2019, , .		0
41	Hot Electrons Modulation of Third Harmonic Generation in Graphene. , 2019, , .		0
42	Gate-Tunable Ultrafast Optical Response of Single-Layer Graphene. , 2019, , .		0
43	Photoinduced Intersubband Absorption and Enhanced Photobleaching in Twisted Bilayer Graphene. , 2021, , .		0
44	Reshaping the emission of a THz quantum cascade laser frequency comb through an on-chip graphene modulator. , 2021, , .		0
45	Terahertz Near-field Nanoscopy Based on Self-mixing Interferometry with Quantum Cascade Resonators. , 2021, , .		0
46	Photoinduced Intersubband Absorption and Enhanced Photobleaching in Twisted Bilayer Graphene. , 2020, , .		0