

Alexander Bataller

List of Publications by Year in descending order

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papers

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1040056

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15
docs citations

15
times ranked

1051
citing authors

#	ARTICLE	IF	CITATIONS
1	Fermi liquid theory sheds light on hot electron-hole liquid in S . Physical Review B, 2021, 103, .	3.2	9
2	Timescales of excited state relaxation in Ru observed by time-resolved two-photon photoemission spectroscopy. Physical Review B, 2021, 103, .	1.2	1
3	Fundamental interactions in a classical Wigner system. Physical Review E, 2021, 104, L023202.	2.1	1
4	Room-Temperature Electron-Hole Liquid in Monolayer MoS_2 . ACS Nano, 2019, 13, 10351-10358.	14.6	49
5	Near Band-Edge Optical Excitation Leading to Catastrophic Ionization and Electron-Hole Liquid in Room-Temperature Monolayer MoS_2 . Physica Status Solidi (B): Basic Research, 2019, 256, 1900223.	1.5	9
6	Rigid valence band shift due to molecular surface counter-doping of MoS_2 . Surface Science, 2019, 679, 254-258.	1.9	9
7	Dynamics of strongly coupled two-component plasma via ultrafast spectroscopy. Optics Letters, 2019, 44, 5832.	3.3	3
8	Efficient Charge Transfer and Fine-Tuned Energy Level Alignment in a THF-Processed Fullerene-Free Organic Solar Cell with 11.3% Efficiency. Advanced Materials, 2017, 29, 1604241.	21.0	305
9	Comment on "Early stage time evolution of a dense nanosecond microdischarge used in fast optical switching applications". [Phys. Plasmas 22, 123518 (2015)]. Physics of Plasmas, 2016, 23, 034705.	1.9	3
10	Observation of Shell Structure, Electronic Screening, and Energetic Limiting in Sparks. Physical Review Letters, 2016, 117, 085001.	7.8	10
11	Comment on "Fluid modeling of a high-voltage nanosecond pulsed xenon microdischarge". [Phys. Plasmas 23, 073513 (2016)]. Physics of Plasmas, 2016, 23, 114701.	1.9	0
12	Nanosecond high-power dense microplasma switch for visible light. Applied Physics Letters, 2014, 105, 223501.	3.3	24
13	Blackbody Emission from Laser Breakdown in High-Pressure Gases. Physical Review Letters, 2014, 113, 075001.	7.8	19
14	Collision Time Measurements in a Sonoluminescing Microplasma with a Large Plasma Parameter. Physical Review Letters, 2014, 113, 024301.	7.8	11
15	Energy Balance for a Sonoluminescence Bubble Yields a Measure of Ionization Potential Lowering. Physical Review Letters, 2013, 111, 234301.	7.8	18