Ivan Madan

List of Publications by Year
in descending order

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Version: 2024-02-01

20 papers	758 citations	687363 13 h-index	888059 17 g-index
22 all docs	22 docs citations	22 times ranked	835 citing authors

#	Article	IF	Citations
1	Nuclear Excitation by Electron Capture in Excited Ions. Physical Review Letters, 2022, 128, .	7.8	9
2	Resonant Inelastic X-Ray Scattering Study of Electron-Exciton Coupling in High- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:math> Cuprates. Physical Review X, 2022, 12, .	8.9	3
3	Charge Dynamics Electron Microscopy. , 2021, , .		2
4	Longitudinal and transverse modulation of electron wave function with light, and its application to electron microscopy. , 2021, , .		0
5	Nanoscale-femtosecond dielectric response of Mott insulators captured by two-color near-field ultrafast electron microscopy. Nature Communications, 2020, 11, 5770.	12.8	27
6	The quantum future of microscopy: Wave function engineering of electrons, ions, and nuclei. Applied Physics Letters, 2020, 116, .	3.3	26
7	Spatio-temporal shaping of a free-electron wave function via coherent lightâ€“electron interaction. Rivista Del Nuovo Cimento, 2020, 43, 567-597.	5.7	24
8	Holographic imaging of electromagnetic fields via electron-light quantum interference. Science Advances, 2019, 5, eaav8358.	10.3	58
9	Ultrafast generation and control of an electron vortex beam via chiral plasmonic near fields. Nature Materials, 2019, 18, 573-579.	27.5	120
10	Stacking transition in rhombohedral graphite. Frontiers of Physics, 2019, 14, 1.	5.0	28
11	meV Resolution in Laser-Assisted Energy-Filtered Transmission Electron Microscopy. ACS Photonics, 2018, 5, 759-764.	6.6	70
12	Nonequilibrium optical control of dynamical states in superconducting nanowire circuits. Science Advances, 2018, 4, eaao0043.	10.3	25
13	Laser-Induced Skyrmion Writing and Erasing in an Ultrafast Cryo-Lorentz Transmission Electron Microscope. Physical Review Letters, 2018, 120, 117201.	7.8	115
14	Attosecond coherent control of free-electron wave functions using semi-infinite light fields. Nature Communications, 2018, 9, 2694.	12.8	136
15	Dynamics of superconducting order parameter through ultrafast normal-to-superconducting phase transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>8</mml:mn><mml:mo>+</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> f. Physical Review B, 2017, 96, .	3.2	10
16	Real-time measurement of the emergence of superconducting order in a high-temperature superconductor. Physical Review B, 2016, 93, .	3.2	12
17	Evidence for carrier localization in the pseudogap state of cuprate superconductors from coherent quench experiments. Nature Communications, 2015, 6, 6958.	12.8	26
18	Time-resolved polarimetry for photoexcited QP dynamics in Bi2212. International Journal of Modern Physics B, 2015, 29, 1542031.	2.0	0

#	Article	IF	Citations
19	Rotational symmetry breaking in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>8</mml:mn><mml:mo>+</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></mml:mrow></mml:math> by polarized femtosecond spectroscopy. Physical Review B, 2014, 90, .	3.3	37
20	Separating pairing from quantum phase coherence dynamics above the superconducting transition by femtosecond spectroscopy. Scientific Reports, 2014, 4, 5656.	3.3	27