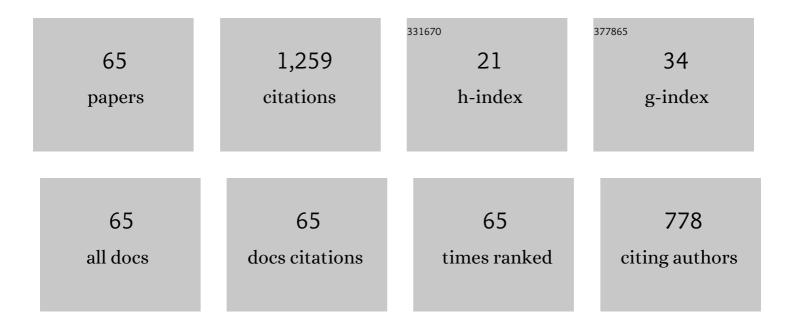
M Krishnamurthy

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Spectrally resolved ion imaging from laser produced plasmas using CR-39 detectors. AIP Advances, 2021, 11, .	1.3	2
2	Micro-optics for ultra-intense lasers. AIP Advances, 2021, 11, 035214.	1.3	4
3	A non-uniform charging scheme to decipher charge state propensities measured in nano-cluster ionization. European Physical Journal: Special Topics, 2021, 230, 3997-4009.	2.6	1
4	Measurement of asymmetric electron cloud in cluster nano-plasma. Physics of Plasmas, 2019, 26, 070703.	1.9	3
5	Misjudging negative ions for electrons in intense laser plasma diagnostics. AIP Advances, 2019, 9, 025115.	1.3	3
6	On the importance of field driven single particle processes in short pulse absorption of clusters. Scientific Reports, 2019, 9, 15135.	3.3	1
7	Ionisation of Nanoclusters at Relativistic Laser Intensities. Springer Proceedings in Physics, 2019, , 180-190.	0.2	1
8	Recombination of Protons Accelerated by a High Intensity High Contrast Laser. Physical Review Letters, 2018, 121, 134801.	7.8	8
9	A source to deliver mesoscopic particles for laser plasma studies. Review of Scientific Instruments, 2017, 88, 023301.	1.3	1
10	A gated Thomson parabola spectrometer for improved ion and neutral atom measurements in intense laser produced plasmas. Review of Scientific Instruments, 2017, 88, 083305.	1.3	7
11	Novel target design for enhanced laser driven proton acceleration. AIP Advances, 2017, 7, 095018.	1.3	4
12	Compact acceleration of energetic neutral atoms using high intensity laser-solid interaction. Scientific Reports, 2017, 7, 3871.	3.3	11
13	Dynamics of cluster ionization and neutral atom acceleration. , 2015, , .		0
14	Preferential enhancement of laser-driven carbon ion acceleration from optimized nanostructured surfaces. Scientific Reports, 2015, 5, 11930.	3.3	18
15	Anisotropic negative-ion emission from cluster nanoplasmas. Physical Review A, 2015, 91, .	2.5	2
16	Enhanced x-ray emission from nano-particle doped bacteria. Optics Express, 2015, 23, 17909.	3.4	6
17	Probing strong field ionization of solids with a Thomson parabola spectrometer. Pramana - Journal of Physics, 2014, 82, 111-120.	1.8	4
18	Photoionization of clusters in intense few-cycle near infrared femtosecond pulses. Physical Chemistry Chemical Physics, 2014, 16, 8721-8730.	2.8	22

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19	A quasi-directional emission of MeV neutrals from a dense cluster nano plasma. , 2014, , .		Ο
20	Anomalous Ion Charge Distribution from Cluster Nanoplasmas. Physical Review Letters, 2013, 111, 143401.	7.8	8
21	Electronic excitation as a mode of heat dissipation in laser-driven cluster plasmas. Physics of Plasmas, 2013, 20, .	1.9	3
22	A compact laser-driven plasma accelerator for megaelectronvolt-energy neutral atoms. Nature Physics, 2013, 9, 185-190.	16.7	84
23	Generation of energetic negative ions from clusters using intense laser fields. New Journal of Physics, 2013, 15, 043036.	2.9	13
24	Non-Maxwellian electron-energy distribution from cluster nanoplasmas. Physical Review A, 2013, 87, .	2.5	4
25	Measurement of the spatio-temporal gas density profile of a supersonic jet. Journal of Applied Physics, 2013, 114, .	2.5	11
26	Evolution of dopant-induced helium nanoplasmas. New Journal of Physics, 2012, 14, 075016.	2.9	24
27	Decrypting the charge-resolved kinetic-energy spectrum in the Coulomb explosion of argon clusters. Physical Review A, 2012, 85, .	2.5	16
28	Surface-plasmon-enhanced MeV ions from femtosecond laser irradiated, periodically modulated surfaces. Physics of Plasmas, 2012, 19, 030703.	1.9	15
29	Enhanced x-ray emission from bacteria. , 2012, , .		0
30	A Thomson parabola ion imaging spectrometer designed to probe relativistic intensity ionization dynamics of nanoclusters. Review of Scientific Instruments, 2011, 82, 083303.	1.3	28
31	Dopant-Induced Ignition of Helium Nanodroplets in Intense Few-Cycle Laser Pulses. Physical Review Letters, 2011, 107, 173402.	7.8	37
32	Bright, low debris, ultrashort hard x-ray table top source using carbon nanotubes. Physics of Plasmas, 2011, 18, 014502.	1.9	34
33	Surface roughness-aided hard X-ray emission from carbon nanotubes. Pramana - Journal of Physics, 2010, 75, 1197-1202.	1.8	1
34	Enhanced ionization of carbon disulfide–doped heteronuclear clusters in intense laser fields and characterization of the doping level. Physical Review A, 2009, 80, .	2.5	6
35	Collisionless phenomena in heteronuclear clusters. Applied Physics Letters, 2008, 92, 191108.	3.3	6
36	Hotter electron generation in doped clusters. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 041002.	1.5	34

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37	Laser absorption in microdroplet plasmas. Europhysics Letters, 2007, 80, 25002.	2.0	3
38	Hotter electrons from size limited targets in intense laser fields. , 2007, , .		0
39	Hot electrons produced from long scale-length laser-produced droplet plasmas. Laser Physics, 2007, 17, 408-414.	1.2	5
40	Fast ion beams from intense, femtosecond laser irradiated nanostructured surfaces. Applied Physics B: Lasers and Optics, 2007, 88, 167-173. cited states of combinath altimg="si5.gif" display="inline"	2.2	25
41	overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.6	1
42	Characterization of doping levels in heteronuclear, gas-phase, van der Waals clusters and their energy absorption from an intense optical field. Chemical Physics Letters, 2006, 430, 26-31.	2.6	12
43	On the acceleration of ions from exploding clusters. Laser Physics, 2006, 16, 581-587.	1.2	5
44	Enhanced hard x-ray emission from microdroplet preplasma. Applied Physics Letters, 2006, 88, 181111.	3.3	33
45	Engineering clusters for table-top acceleration of ions. Applied Physics Letters, 2006, 88, 041107.	3.3	29
46	Hard X-ray generation from microdroplets in intense laser fields. Applied Physics B: Lasers and Optics, 2005, 81, 469-477.	2.2	10
47	Enhancement of x-ray yields from heteronuclear cluster plasmas irradiated by intense laser light. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, L291-L299.	1.5	35
48	Coulombic and non-Coulombic fragmentation of highly charged benzene. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 1699-1707.	1.5	20
49	Strong light fields coax intramolecular reactions on femtosecond time scales. Journal of Chemical Physics, 2004, 121, 9765-9768.	3.0	28
50	Anisotropic "charge-flipping―acceleration of highly charged ions from clusters in strong optical fields. Physical Review A, 2004, 69, .	2.5	58
51	Probing potential energy curves ofC2â^'by translational energy spectrometry. Physical Review A, 2004, 69, .	2.5	0
52	Electron rescattering and the fragmentation dynamics of molecules in strong optical fields. Physical Review A, 2003, 68, .	2.5	32
53	Two-photon pumped lasing from methanol micro-droplets doped by a weakly fluorescent dye. Chemical Physics Letters, 2003, 372, 263-268.	2.6	20
54	Fragmentation of cesium-carbon cluster anionsCsCnâ^'(n<~10). Physical Review A, 2003, 67, .	2.5	10

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#	Article	IF	CITATIONS
55	Asymmetric emission of high-energy electrons in the two-dimensional hydrodynamic expansion of large xenon clusters irradiated by intense laser fields. Physical Review A, 2003, 67, .	2.5	80
56	Electron rescattering and the dissociative ionization of alcohols in intense laser light. Journal of Chemical Physics, 2003, 119, 12224-12230.	3.0	39
57	Asymmetric High-Energy Ion Emission from Argon Clusters in Intense Laser Fields. Physical Review Letters, 2001, 87, 085005.	7.8	136
58	Fragmentation dynamics ofCS2q+(q=3–10)molecular ions. Physical Review A, 2001, 64, .	2.5	24
59	Spatial alignment of diatomic molecules in intense laser fields: I. Experimental results. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 4919-4938.	1.5	59
60	Spatial alignment of diatomic molecules in intense laser fields: II. Numerical modelling. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 4939-4956.	1.5	26
61	Effect of laser polarization on x-ray emission fromArn(n=200–104)clusters in intense laser fields. Physical Review A, 2001, 63, .	2.5	47
62	Polarization-state dependence of the ionization dynamics of a chiral molecule in intense laser light. Physical Review A, 2000, 61, .	2.5	5
63	Ion-induced molecular fragmentation: beyond the Coulomb explosion picture. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, L11-L20.	1.5	79
64	Application of the time-dependent wavepacket method to mass spectrometric studies of molecular excitation and dissociation. Rapid Communications in Mass Spectrometry, 1995, 9, 358-362.	1.5	4
65	Electronic excitation ofH2in slow collisions with molecular ions. Physical Review A, 1994, 50, 2383-2389.	2.5	12