

Hideyuki Kotaki

List of Publications by Year in descending order

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papers

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687363

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41
docs citations

41
times ranked

612
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Shot Electro-Optic Sampling on the Temporal Structure of Laser Wakefield Accelerated Electrons. Crystals, 2020, 10, 640.	2.2	1
2	Variation in electron emission time in weakly nonlinear laser wakefield acceleration. Physical Review Accelerators and Beams, 2019, 22, .	1.6	4
3	Electro-optic spatial decoding on the spherical-wavefront Coulomb fields of plasma electron sources. Scientific Reports, 2018, 8, 2938.	3.3	13
4	Recent progress on an upgrade of the J-KAREN laser at JAEA. , 2015, , .		0
5	Direct Observation of the Pulse Width of an Ultrashort Electron Beam. Journal of the Physical Society of Japan, 2015, 84, 074501.	1.6	8
6	High-Contrast, High-Intensity Petawatt-Class Laser and Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 232-249.	2.9	60
7	Minimum Condition of Target Gas Material at an Ionization-Stage Control Scheme in a Laser-Plasma Electron Acceleration. , 2014, , .		0
8	High Power Laser Developments with Femtosecond to Nanosecond Pulse Durations for Laser Shock Science and Engineering. The Review of Laser Engineering, 2014, 42, 441.	0.0	0
9	High-order harmonics from gas-target irradiated by relativistic-intensity laser. , 2013, , .		0
10	Fine spectral structure of high order harmonics generated by multi-terawatt femtosecond lasers focused to gas jet targets. , 2013, , .		0
11	Xe K-shell X-ray generation using conical nozzle and 25 TW laser. Laser and Particle Beams, 2013, 31, 419-425.	1.0	1
12	Generation of Quantum Beams in Large Clusters Irradiated by Super-Intense, High Contrast Femtosecond Laser Pulses. Contributions To Plasma Physics, 2013, 53, 148-160.	1.1	11
13	Ultra-Intense, High Spatio-Temporal Quality Petawatt-Class Laser System and Applications. Applied Sciences (Switzerland), 2013, 3, 214-250.	2.5	15
14	Relativistic high harmonic generation in gas jet targets. , 2012, , .		1
15	X-ray spectroscopy diagnoses of clusters surviving under prepulses of ultra-intense femtosecond laser pulse irradiation. Laser and Particle Beams, 2012, 30, 481-488.	1.0	13
16	High performance imaging of relativistic soft X-ray harmonics by sub-micron resolution LiF film detectors. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2331-2335.	0.8	7
17	Stable Generation of A Mono-Energetic Electron Beam by Using Optical Injection. The Review of Laser Engineering, 2012, 40, 814.	0.0	0
18	Condition of MeV Electron Bunch Generated from Argon Gas-Jet Target in the Self-Modulated Laser Wakefield Regime. Journal of the Physical Society of Japan, 2011, 80, 105001.	1.6	7

#	ARTICLE	IF	CITATIONS
19	Effects of the self-absorption of X-ray spectral lines in the presence of the laser-cluster interaction. JETP Letters, 2011, 94, 270-276.	1.4	2
20	Laser pulse guiding and electron acceleration in the ablative capillary discharge plasma. Physics of Plasmas, 2009, 16, .	1.9	29
21	Generation of stable and low-divergence 10-MeV quasimonoenergetic electron bunch using argon gas jet. Physical Review Special Topics: Accelerators and Beams, 2009, 12, .	1.8	28
22	Electron Optical Injection with Head-On and Countercrossing Colliding Laser Pulses. Physical Review Letters, 2009, 103, 194803.	7.8	59
23	Contrast Effect on the Laser Injected Electron Beam. , 2009, , .		0
24	Generation of Parametric X-rays by using Electron Accelerator. , 2009, , .		0
25	Demonstration of Flying Mirror with Improved Efficiency. , 2009, , .		6
26	Observation of Low-Frequency Electromagnetic Radiation from Laser-Plasmas. , 2009, , .		2
27	Ionography of nanostructures with the use of a laser plasma of cluster targets. JETP Letters, 2009, 89, 485-491.	1.4	9
28	Experimental studies of the high and low frequency electromagnetic radiation produced from nonlinear laser-plasma interactions. European Physical Journal D, 2009, 55, 465-474.	1.3	14
29	Enhancement of Photon Number Reflected by the Relativistic Flying Mirror. Physical Review Letters, 2009, 103, 235003.	7.8	101
30	Demonstration of high peak power, high contrast OPCPA/Ti:sapphire hybrid laser system. , 2009, , .		0
31	Electron Acceleration Based on an Elongated Plasma Channel. IEEE Transactions on Plasma Science, 2008, 36, 1734-1737.	1.3	2
32	Controlled electron injection into the wake wave using plasma density inhomogeneity. Physics of Plasmas, 2008, 15, .	1.9	88
33	Soft x-ray source for nanostructure imaging using femtosecond-laser-irradiated clusters. Applied Physics Letters, 2008, 92, 121110.	3.3	52
34	High-energy high-quality electron beam generation by using an intense laser. The Review of Laser Engineering, 2008, 36, 71-72.	0.0	0
35	20 MeV QUASI-MONOENERGETIC ELECTRON BEAM PRODUCTION BY USING JLITE-X LASER SYSTEM AT JAEA-APRC. International Journal of Modern Physics B, 2007, 21, 407-414.	2.0	1
36	Phase-contrast x-ray imaging with intense ArK α radiation from femtosecond-laser-driven gas target. Applied Physics Letters, 2007, 90, 211501.	3.3	31

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37	Focusing quality of a split short laser pulse. Review of Scientific Instruments, 2007, 78, 036102.	1.3	0
38	Frequency multiplication of light back-reflected from a relativistic wake wave. Physics of Plasmas, 2007, 14, 123106.	1.9	85
39	On the production of flat electron bunches for laser wakefield acceleration. Journal of Experimental and Theoretical Physics, 2007, 105, 916-926.	0.9	15
40	Generation and characterization of electrons from a gas target irradiated by high-peak-power lasers. Laser Physics, 2006, 16, 576-580.	1.2	0
41	Generation of a quasimonoenergetic electron beam using a single laser pulse. Laser Physics, 2006, 16, 1107-1110.	1.2	2