

Cha-Hwan Oh

List of Publications by Year in descending order

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23
papers

148
citations

1307594

7
h-index

1199594

12
g-index

23
all docs

23
docs citations

23
times ranked

125
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of plasma sources and diagnostics for the simulation of fusion edge plasmas. Journal of the Korean Physical Society, 2022, 80, 735-758.	0.7	1
2	Influence of helium metastable states on the E-H mode transition in an inductively coupled plasma. Current Applied Physics, 2022, 36, 137-142.	2.4	0
3	Study on the laser collisional induced fluorescence spectrum of helium plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 388, 127077.	2.1	2
4	A study on the E-H mode transition with the line integrated He 23S metastable atom density in an inductively coupled plasma. Current Applied Physics, 2021, 28, 7-12.	2.4	2
5	Determination of electron properties of a helium atmospheric pressure plasma jet with a grounded metallic target. Plasma Processes and Polymers, 2021, 18, e2100092.	3.0	4
6	Study on helium atmospheric pressure plasma jet using collisional-radiative model. Physics of Plasmas, 2020, 27, .	1.9	7
7	Laser diagnostics for the electron density of helium low temperature plasmas using saturated absorption spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 239, 106674.	2.3	2
8	Optical diagnostics of helium recombining plasmas with collisional radiative model. Physics of Plasmas, 2018, 25, .	1.9	4
9	Study on the radiative excitation rate coefficient of collisional radiative model. Physics of Plasmas, 2017, 24, .	1.9	6
10	Optical diagnostics with radiation trapping effect in low density and low temperature helium plasma. Physics of Plasmas, 2016, 23, .	1.9	11
11	Optical characteristic analysis of the boronization process by using carborane. Journal of the Korean Physical Society, 2014, 65, 640-644.	0.7	3
12	Beam optics approach to the ray optics model for the optical trapping efficiency of optical tweezers. Journal of the Korean Physical Society, 2012, 60, 155-158.	0.7	0
13	Efficient formation of surface relief grating on azopolymer films by gold nanoparticles. Journal of Applied Physics, 2008, 104, 103117.	2.5	8
14	Cavity Pulling Shift Evaluated From AC Zeeman Shift in an Optically-Pumped Cs Beam Standard. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 780-782.	4.7	1
15	Diffraction moiré fringes as analysis and alignment tools for multilayer fabrication in soft lithography. Applied Physics Letters, 2005, 86, 204101.	3.3	18
16	Cavity Pulling Shift Measured from AC Zeeman Shift in an Optically Pumped Cs Beam Standard. , 2004, , .		0
17	Stability of ion motion in the quadrupole ion trap driven by rectangular waveform voltages. International Journal of Mass Spectrometry, 2003, 230, 65-70.	1.5	10
18	Surface-plasmon photonic band gaps in dielectric gratings on a flat metal surface. Journal of Applied Physics, 2003, 94, 123-129.	2.5	30

#	ARTICLE	IF	CITATIONS
19	Determination of the space-charge field in polymeric photorefractive material. Journal of Applied Physics, 2002, 91, 6471.	2.5	23
20	Influence of the Backbone on Photoinduced Birefringence in a Poly(malonic ester) Containing p-Cyanoazobenzene. Journal of Physical Chemistry B, 2002, 106, 5378-5381.	2.6	7
21	Ray-optical determination of the coupling coefficients of grating waveguide by use of the rigorous coupled-wave theory. Journal of Lightwave Technology, 2001, 19, 120-125.	4.6	2
22	Synthesis of New Poly (Malonic Ester) Containing Disperse Red 1 and its Applications to Optical Data Storage. Molecular Crystals and Liquid Crystals, 1999, 327, 271-274.	0.3	7
23	Budding and growth of optically trapped yeast cells. , 0, , .		0