

Cha-Hwan Oh

List of Publications by Year in descending order

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23
papers

148
citations

1307594

7
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1199594

12
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23
all docs

23
docs citations

23
times ranked

125
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-plasmon photonic band gaps in dielectric gratings on a flat metal surface. Journal of Applied Physics, 2003, 94, 123-129.	2.5	30
2	Determination of the space-charge field in polymeric photorefractive material. Journal of Applied Physics, 2002, 91, 6471.	2.5	23
3	Diffracted moiré fringes as analysis and alignment tools for multilayer fabrication in soft lithography. Applied Physics Letters, 2005, 86, 204101.	3.3	18
4	Optical diagnostics with radiation trapping effect in low density and low temperature helium plasma. Physics of Plasmas, 2016, 23, .	1.9	11
5	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
6	Efficient formation of surface relief grating on azopolymer films by gold nanoparticles. Journal of Applied Physics, 2008, 104, 103117.	2.5	8
7	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
8	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
9	Study on helium atmospheric pressure plasma jet using collisional-radiative model. Physics of Plasmas, 2020, 27, .	1.9	7
10	Study on the radiative excitation rate coefficient of collisional radiative model. Physics of Plasmas, 2017, 24, .	1.9	6
11	Optical diagnostics of helium recombining plasmas with collisional radiative model. Physics of Plasmas, 2018, 25, .	1.9	4
12	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
13	Optical characteristic analysis of the boronization process by using carborane. Journal of the Korean Physical Society, 2014, 65, 640-644.	0.7	3
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Budding and growth of optically trapped yeast cells. , 0, , .		0
21	Cavity Pulling Shift Measured from AC Zeeman Shift in an Optically Pumped Cs Beam Standard. , 2004, , .		0
22	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
23	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