

Mihail A Shulepov

List of Publications by Year in descending order

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24
papers

243
citations

1307594

7
h-index

996975

15
g-index

24
all docs

24
docs citations

24
times ranked

198
citing authors

#	ARTICLE	IF	CITATIONS
1	Runaway-electron-preionized diffuse discharge at atmospheric pressure and its application. Journal Physics D: Applied Physics, 2009, 42, 185201.	2.8	83
2	Modification of the near-surface layers of a copper foil under the action of a volume gas discharge in air at atmospheric pressure. Technical Physics Letters, 2008, 34, 296-299.	0.7	26
3	Pulsed IR laser ablation of organic polymers in air: shielding effects and plasma pipe formation. Journal Physics D: Applied Physics, 2011, 44, 385201.	2.8	25
4	Titanium alloy surface modification by excimer laser irradiation. Optics and Laser Technology, 2013, 54, 419-427.	4.6	25
5	Surface modifications of TiN coating by pulsed TEA CO ₂ and XeCl lasers. Applied Surface Science, 2005, 252, 474-482.	6.1	20
6	Surface modifications of TiN coating by the pulsed TEA CO ₂ and KrCl laser. Applied Surface Science, 2004, 225, 362-371.	6.1	19
7	Formation of microtower structures on nanosecond laser ablation of liquid metals. Applied Physics A: Materials Science and Processing, 2010, 98, 393-400.	2.3	11
8	Luminescence spectra of diamonds containing nitrogen-vacancy and interstitial photoactive centers. Journal of Luminescence, 2021, 237, 118214.	3.1	7
9	The formation of diffuse discharge by short-front nanosecond voltage pulses and the modification of dielectrics in this discharge. Technical Physics Letters, 2014, 40, 625-628.	0.7	6
10	UV and IR laser radiation's interaction with metal film and teflon surfaces. Laser and Particle Beams, 2003, 21, 265-272.	1.0	5
11	Repetitively pulsed operating regime of a high-pressure atomic xenon transition laser. Quantum Electronics, 2004, 34, 519-523.	1.0	4
12	Disturbance of adhesion upon ablation of thin films by laser pulses. Quantum Electronics, 2004, 34, 375-380.	1.0	3
13	Effect of laser ablation on the mechanical impulse formation in capillary discharge plasma. Technical Physics Letters, 2009, 35, 123-126.	0.7	3
14	UV and IR laser interaction with metal surfaces. Proceedings of SPIE, 2002, , .	0.8	2
15	IR- and UV-laser interaction with metal surfaces. , 2002, , .		1
16	<title>Oxidation of titanium surface under laser irradiation</title>. , 2003, , .		1
17	Temperature dependence of Teflon transmission factor under TEA-CO ₂ laser irradiation. , 2004, , .		1
18	Formation of superpower volume discharges and their application for modification of surface of metals. Proceedings of SPIE, 2008, , .	0.8	1

#	ARTICLE	IF	CITATIONS
19	Study on the interaction of Xe and XeCl-laser radiation with metals and ceramics. , 2003, 5121, 111.		0
20	Study on the interaction of pulse-periodical CO 2 and Xe atomic laser radiation with teflon and vinypros. , 2003, 5121, 118.		0
21	<title>Modification of thin metal and ceramic films by UV and IR laser radiation</title>. , 2004, , .		0
22	<title>Formation of microstructure on liquid metal surface under nanosecond laser ablation</title>. , 2010, , .		0
23	Formation of microtower structures on liquid metal surfaces under nanosecond laser ablation. Proceedings of SPIE, 2010, , .	0.8	0
24	<title>Laser plasma of poly (methyl methacrylate) in air: modeling and experiment</title>. , 2010, , .		0