

Olga Varlamova

List of Publications by Year in descending order

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28
papers

914
citations

567281

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610901

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g-index

28
all docs

28
docs citations

28
times ranked

732
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-organized pattern formation upon femtosecond laser ablation by circularly polarized light. Applied Surface Science, 2006, 252, 4702-4706.	6.1	153
2	Femtosecond laser induced nanostructure formation: self-organization control parameters. Applied Physics A: Materials Science and Processing, 2008, 92, 1019-1024.	2.3	139
3	The role of asymmetric excitation in self-organized nanostructure formation upon femtosecond laser ablation. Applied Physics A: Materials Science and Processing, 2011, 104, 969-973.	2.3	75
4	Control parameters in pattern formation upon femtosecond laser ablation. Applied Surface Science, 2007, 253, 7932-7936.	6.1	73
5	On the physics of self-organized nanostructure formation upon femtosecond laser ablation. Applied Physics A: Materials Science and Processing, 2014, 117, 179-184.	2.3	58
6	The laser polarization as control parameter in the formation of laser-induced periodic surface structures: Comparison of numerical and experimental results. Applied Surface Science, 2011, 257, 5465-5469.	6.1	53
7	Self-organized regular surface patterning by pulsed laser ablation. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 681-686.	0.8	43
8	Influence of irradiation dose on laser-induced surface nanostructures on silicon. Applied Surface Science, 2013, 278, 62-66.	6.1	42
9	Genesis of femtosecond-induced nanostructures on solid surfaces. Applied Optics, 2014, 53, 110.	2.1	40
10	Multipulse feedback in self-organized ripples formation upon femtosecond laser ablation from silicon. Applied Physics A: Materials Science and Processing, 2010, 101, 361-365.	2.3	37
11	On large area LIPSS coverage by multiple pulses. Applied Surface Science, 2015, 336, 249-254.	6.1	35
12	Birth of periodic Micro/Nano structures on 316L stainless steel surface following femtosecond laser irradiation; single and multi scanning study. Optics and Laser Technology, 2018, 104, 8-16.	4.6	26
13	Modification of surface properties of solids by femtosecond LIPSS writing: comparative studies on silicon and stainless steel. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	18
14	Nanostructure formation upon femtosecond ablation from silicon: Effect of double pulses. Applied Surface Science, 2012, 258, 9491-9495.	6.1	15
15	Drop Behavior Influenced by the Correlation Length on Noisy Surfaces. Langmuir, 2019, 35, 928-934.	3.5	15
16	Self-organized Surface Patterns Originating from Laser-Induced Instability. Nano-optics and Nanophotonics, 2015, , 3-29.	0.2	15
17	Electrical properties of laser-ablation-initiated self-organized nanostructures on silicon surface. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 134, 114-117.	3.5	14
18	Wetting properties of LIPSS structured silicon surfaces. European Physical Journal B, 2019, 92, 1.	1.5	13

#	ARTICLE	IF	CITATIONS
19	The role of asymmetric excitation in self-organized nanostructure formation upon femtosecond laser ablation. AIP Conference Proceedings, 2012, , .	0.4	12
20	Evolution of Femtosecond Laser Induced Surface Structures at Low Number of Pulses near the Ablation Threshold. Journal of Laser Micro Nanoengineering, 2013, 8, 300-303.	0.1	12
21	Femtosecond-laser-induced periodic surface structures on magnetic layer targets: The roles of femtosecond-laser interaction and of magnetization. Applied Surface Science, 2017, 417, 84-87.	6.1	7
22	Modeling of the Laser Polarization as Control Parameter in Self-Organized Surface Pattern. Journal of Nanoscience and Nanotechnology, 2011, 11, 9274-9281.	0.9	6
23	Long-Time Feedback in the Formation of Self-Organized Nanostructures upon Multipulse Femtosecond Laser Ablation. , 2010, , .		4
24	Laser-induced periodic surface structures of thin, complex multi-component films. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	4
25	Feedback Effect on the Self-Organized Nanostructures Formation on Silicon upon Femtosecond Laser Ablation. Solid State Phenomena, 2009, 156-158, 535-540.	0.3	2
26	Long-time feedback in self-organized nanostructures formation upon multipulse femtosecond laser ablation. , 2010, , .		2
27	<title>Femtosecond laser induced surface instability resulting in self-organized nanostructures</title>. , 2007, , .		1
28	Femtosecond laser ablation from silicon and ripples formation: Evolution of surface excitation. , 2011, , .		0