

Victor V Apollonov

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36

papers

82

citations

5

h-index

7

g-index

66

ext. papers

91

ext. citations

0.5

avg, IF

1.95

L-index

#	Paper	IF	Citations
36	High-power nonchain HF (DF) lasers initiated by self-sustained volume discharge 1998 ,		11
35	Scaling up of nonchain HF(DF) laser initiated by self-sustained volume discharge 2000 , 3886, 370		10
34	Self-initiated volume discharge in mixtures of SF 6 with hydrocarbons to excite nonchain hf lasers 2000 , 4071, 31		8
33	High-power optics and its new manifestations. <i>Laser Physics</i> , 2013 , 23, 063001	1.2	7
32	High-power pulse and pulse-periodic nonchain HF (DF) lasers 2002 ,		6
31	Feasibility study of a CO2-laser based lightning-protection system realization. <i>Optical Engineering</i> , 2005 , 44, 014302	1.1	5
30	High-power self-controlled volume-discharge-based molecular lasers. <i>Optical Engineering</i> , 2004 , 43, 16	1.1	4
29	High-power laser diode array phase locking 2000 , 3889, 134		4
28	High-power SSD-based pulse nonchain HF(DF) laser 1998 ,		4
27	Highly efficient heat exchangers for laser diode arrays 2000 , 3889, 71		3
26	High-Power Optics. <i>Springer Series in Optical Sciences</i> , 2015 ,	0.5	2
25	Pulse-periodic lasers for lightcraft application 2005 ,		2
24	Advanced studies on powerful wide-aperture nonchain HF(DF) lasers with a self-sustained volume discharge to initiate chemical reaction 2003 ,		2
23	Picosecond terawatt CO2 laser system Picasso-2 2003 ,		2
22	Runaway electron beams for pumping UV-range gas lasers 2000 ,		2
21	Efficiency of difference frequency generation with ZnGeP2 1999 ,		2
20	Magnetostrictive actuators in optical design 1992 ,		2

19	Wide-aperture picosecond CO2 laser system 1998 , 3343, 750		1
18	High-Conductivity Channels in Space. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2018 ,	0.4	1
17	High Repetition Rate High-Power Wide-Aperture Lasers. <i>Springer Series in Optical Sciences</i> , 2015 , 133-143.	0.5	
16	Power Optics and Its New Applications. <i>Springer Series in Optical Sciences</i> , 2015 , 127-130	0.5	
15	Mono-module Disk Laser. <i>Springer Series in Optical Sciences</i> , 2015 , 145-155	0.5	
14	Compact free-electron lasers exploiting media with periodically modulated refractive index 2000 , 3889, 321		
13	Toward 1-TW train of 10-fs picosecond laser pulses 2000 , 3889, 351		
12	High-power CO ₂ laser radiation conversion by means of AgGaSe ₂ and AgGa(1-x)In(x)Se ₂ crystals 2000 , 3889, 538		
11	New Technologies for High Power/Energy Lasers Based on LD-Structures, New Technologies and Materials. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2018 , 299-315	0.4	
10	Electric-Discharge Guiding by a Continuous Laser-Induced Spark. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2018 , 3-14	0.4	
9	Simulation of High Conductivity Channels in Space. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2018 , 95-115	0.4	
8	High Power/Energy Optics. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2018 , 257-298	0.4	
7	High Power/Energy HF (DF) Lasers. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2018 , 237-256	0.4	
6	High-Power Laser Beam Coupler Using a Phase Diffraction Grating. <i>Springer Series in Optical Sciences</i> , 2015 , 99-105	0.5	
5	Pulse-Periodic Lasers for Space Debris Elimination. <i>Springer Series in Optical Sciences</i> , 2015 , 157-165	0.5	
4	Static OPEs Based on Materials with a Porous Structure. <i>Springer Series in Optical Sciences</i> , 2015 , 25-40	0.5	
3	Large POEs Based Composite Materials. <i>Springer Series in Optical Sciences</i> , 2015 , 123-125	0.5	
2	Impulsar: New Application for High Power/Energy High Repetition Rate Pulse-Periodic Lasers. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2018 , 129-146	0.4	

- 1 Laser Power Source for Wireless Power Transmission in Space. *Springer Series on Atomic, Optical, and Plasma Physics*, **2018**, 149-162

0.4