Victor V Apollonov

List of Publications by Year in Descending Order

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	New Technologies for High Power/Energy Lasers Based on LD-Structures, New Technologies and Materials. *Springer Series on Atomic, Optical, and Plasma Physics*, **2018**, 299-315	0.4	
35	Electric-Discharge Guiding by a Continuous Laser-Induced Spark. *Springer Series on Atomic, Optical, and Plasma Physics*, **2018**, 3-14	0.4	
34	Simulation of High Conductivity Channels in Space. *Springer Series on Atomic, Optical, and Plasma Physics*, **2018**, 95-115	0.4	
33	High Power/Energy Optics. *Springer Series on Atomic, Optical, and Plasma Physics*, **2018**, 257-298	0.4	
32	High Power/Energy HF (DF) Lasers. *Springer Series on Atomic, Optical, and Plasma Physics*, **2018**, 237-256	0.4	
31	Impulsar: New Application for High Power/Energy High Repetition Rate Pulse-Periodic Lasers. *Springer Series on Atomic, Optical, and Plasma Physics*, **2018**, 129-146	0.4	
30	Laser Power Source for Wireless Power Transmission in Space. *Springer Series on Atomic, Optical, and Plasma Physics*, **2018**, 149-162	0.4	
29	High-Conductivity Channels in Space. *Springer Series on Atomic, Optical, and Plasma Physics*, **2018**,	0.4	1
28	High Repetition Rate High-Power Wide-Aperture Lasers. *Springer Series in Optical Sciences*, **2015**, 133-143	0.5	
27	High-Power Optics. *Springer Series in Optical Sciences*, **2015**,	0.5	2
26	Power Optics and Its New Applications. *Springer Series in Optical Sciences*, **2015**, 127-130	0.5	
25	Mono-module Disk Laser. *Springer Series in Optical Sciences*, **2015**, 145-155	0.5	
24	High-Power Laser Beam Coupler Using a Phase Diffraction Grating. *Springer Series in Optical Sciences*, **2015**, 99-105	0.5	
23	Pulse-Periodic Lasers for Space Debris Elimination. *Springer Series in Optical Sciences*, **2015**, 157-165	0.5	
22	Static OPEs Based on Materials with a Porous Structure. *Springer Series in Optical Sciences*, **2015**, 25-40	0.5	
21	Large POEs Based Composite Materials. *Springer Series in Optical Sciences*, **2015**, 123-125	0.5	
20	High-power optics and its new manifestations. *Laser Physics*, **2013**, 23, 063001	1.2	7

19	Pulse-periodic lasers for lightcraft application **2005**,		2
18	Feasibility study of a CO2-laser based lightning-protection system realization. *Optical Engineering*, **2005**, 44, 014302	1.1	5
17	High-power self-controlled volume-discharge-based molecular lasers. *Optical Engineering*, **2004**, 43, 16	1.1	4
16	Advanced studies on powerful wide-aperture nonchain HF(DF) lasers with a self-sustained volume discharge to initiate chemical reaction **2003**,		2
15	Picosecond terawatt CO2 laser system Picasso-2 **2003**,		2
14	High-power pulse and pulse-periodic nonchain HF (DF) lasers **2002**,		6
13	Scaling up of nonchain HF(DF) laser initiated by self-sustained volume discharge **2000**, 3886, 370		10
12	Runaway electron beams for pumping UV-range gas lasers **2000**,		2
11	Compact free-electron lasers exploiting media with periodically modulated refractive index **2000**, 3889, 321		
10	Toward 1-TW train of 10-fs picosecond laser pulses **2000**, 3889, 351		
9	Highly efficient heat exchangers for laser diode arrays **2000**, 3889, 71		3
8	Self-initiated volume discharge in mixtures of SF 6 with hydrocarbons to excite nonchain hf lasers **2000**, 4071, 31		8
7	High-power CO 2 laser radiation conversion by means of AgGaSe 2 and AgGa (1-x) In(x)Se 2 crystals **2000**, 3889, 538		
6	High-power laser diode array phase locking **2000**, 3889, 134		4
5	Efficiency of difference frequency generation with ZnGeP2 **1999**,		2
4	Wide-aperture picosecond CO2 laser system **1998**, 3343, 750		1
3	High-power nonchain HF (DF) lasers initiated by self-sustained volume discharge **1998**,		11
2	High-power SSD-based pulse nonchain HF(DF) laser **1998**,		4

1 Magnetostrictive actuators in optical design **1992**, 2