Ivan L Stefanov

List of Publications by Year
in descending order

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37	258	1162367	996533
papers	citations	8	15
		h-index	g-index

37	37	37	174
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Generation of long range low-divergent Gaussâ€“Bessel beams by annihilating optical vortices. Optics Communications, 2021, 480, 126510.	1.0	4
2	Formation of multi-spot focal arrays by square-shaped optical vortex lattices. Optics Communications, 2019, 449, 110-116.	1.0	7
3	Luminescence of iridium complexes upon short laser pulses. , 2019, , .		0
4	Five-vortex spot patterns generated by diffraction of azimuthally X-shaped beam from a fork-shaped grating. Optics Communications, 2018, 428, 206-215.	1.0	3
5	Dispersion control in a folded 4-f system for shaping femtosecond laser pulses. , 2017, , .		0
6	Optical waveguiding by necklace and azimuthon beams in nonlinear media. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 801.	0.9	13
7	Pulse front tilt measurement of femtosecond laser pulses. Optics Communications, 2016, 371, 51-58.	1.0	11
8	Far field diffraction of an optical vortex beam by a fork-shaped grating. Optics Communications, 2015, 350, 301-308.	1.0	47
9	Evaluation of pulse front tilt measurement of femtosecond laser pulses. , 2015, , .		0
10	Initiating self-focusing of beams carrying spatial phase singularities. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1159.	0.9	2
11	Controllable bright beam self-focusing initiated by singular dark beams. Proceedings of SPIE, 2013, , .	0.8	0
12	Measurement of nonlinear refractive index and multiphoton absorption by the subpicosecond z-scan method of tellurite multicomponent glassy matrixes having nonlinear susceptibility. Physica Scripta, 2013, T157, 014026.	1.2	4
13	Ellipsometrical characterization of complex refractive index depth profile of 50ÂkeV silicon ion implanted PMMA. Vacuum, 2013, 94, 19-25.	1.6	7
14	Laser characterization of the depth profile of complex refractive index of PMMA implanted with 50 keV silicon ions. Proceedings of SPIE, 2013, , .	0.8	2
15	Depth-profiled characterization of complex refractive index of ion implanted optically transparent polymers using multilayer calculations and reflectance data. Vacuum, 2012, 86, 1822-1827.	1.6	8
16	Interferometric pump-probe characterization of the nonlocal response of optically transparent ion implanted polymers. Applied Surface Science, 2012, 258, 4770-4776.	3.1	1
17	Phase-sensitive reflectometer using a single-frequency laser diode and an Er-doped fibre amplifier. Journal of Physics: Conference Series, 2010, 253, 012018.	0.3	0
18	Tuning the pulse duration, spectral position, and bandwidth of femtosecond pulses by the beam's penetration in an intracavity prism. , 2010, , .		1

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19	The luminescence response of Eu(III)-thenoyltrifluoroacetonate complexes upon preresonant excitation with femtosecond laser pulses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 448-452.	2.0	7
20	Ion-implanted polymethyl methacrylate beam splitter/coupler for 155 Î¼m applications. Applied Optics, 2010, 49, 1876.	2.1	7
21	Femtosecond laser spectroscopy of europium complexes in solutions. , 2009, , .		0
22	Optical reflectivity study of silicon ion implanted poly(methyl methacrylate). Applied Surface Science, 2009, 256, 779-786.	3.1	20
23	Laser-induced thermo-lens in ion-implanted optically-transparent polymer. Proceedings of SPIE, 2009, , .	0.8	1
24	The luminescence response of diamine-liganded europium complexes upon resonant and pre-resonant excitation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 443-448.	2.0	8
25	Generation and intrinsic dynamics of ring dark solitary waves. Applied Physics B: Lasers and Optics, 1997, 64, 429-433.	1.1	36
26	A chain mechanism of amplification via magnetic dipole transition. IEEE Journal of Quantum Electronics, 1992, 28, 2655-2661.	1.0	0
27	Observation of forbidden five-wave mixing in potassium vapor. Optics Communications, 1992, 92, 295-299.	1.0	1
28	Four-wave mixing in potassium involving quadrupole excitation and emission. Journal of the Optical Society of America B: Optical Physics, 1991, 8, 1846.	0.9	4
29	Optical six-wave mixing via two forbidden transitions in the potassium atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 1991, 24, 5175-5181.	0.6	2
30	Stimulated emission by hybrid transitions via a heteronuclear molecule. Optics Communications, 1990, 75, 273-277.	1.0	2
31	K(6S-4P) parametric emission excited by bound-bound transitions of NaK. Journal of Physics B: Atomic, Molecular and Optical Physics, 1989, 22, 3775-3787.	0.6	3
32	Efficient red stimulated emission enhanced by quadrupole Raman scattering. Optics Communications, 1989, 74, 176-179.	1.0	6
33	Interference effects between raman and parametric stimulated emission. Applied Physics B, Photophysics and Laser Chemistry, 1989, 49, 521-525.	1.5	6
34	Raman and parametric emission from excited states induced by collisions. Applied Physics B, Photophysics and Laser Chemistry, 1987, 44, 235-240.	1.5	8
35	Molecular enhanced four-wave parametric generation in sodium atom. Applied Physics B, Photophysics and Laser Chemistry, 1986, 39, 65-72.	1.5	15
36	Dimer laser action in Na2by collisional energy transfer. Journal of Physics B: Atomic and Molecular Physics, 1986, 19, 2735-2744.	1.6	6

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37	Na2b3âˆ+gâ€“3âˆ+u excimer laser emission in the ir. Optics Communications, 1984, 52, 199-203.	1.0	16