

Wojciech Gadomski

List of Publications by Year in descending order

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76
papers

1,254
citations

430442

18
h-index

377514

34
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81
all docs

81
docs citations

81
times ranked

860
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for the origin of synergistic solvation in methanol/chloroform mixture using optical Kerr effect spectroscopy. <i>Journal of Molecular Liquids</i> , 2022, 345, 117013.	2.3	8
2	Time resolved transient transmission spectroscopy of TiCl ₄ and SnCl ₄ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 280, 121507.	2.0	0
3	Potent strategy towards strongly emissive nitroaromatics through a weakly electron-deficient core. <i>Chemical Science</i> , 2021, 12, 14039-14049.	3.7	19
4	Dynamics in the BMIM PF ₆ /acetonitrile mixtures observed by femtosecond optical Kerr effect and molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 24544-24554.	1.3	3
5	Fine structures in Raman spectra of tetrahedral tetrachloride molecules in femtosecond coherent spectroscopy. <i>Journal of Chemical Physics</i> , 2019, 150, 244505.	1.2	3
6	Temperature-Dependent Ultrafast Solvation Response and Solute Diffusion in Acetamide-Urea Deep Eutectic Solvent. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9212-9221.	1.2	25
7	Silver route to cuprate analogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1495-1500.	3.3	47
8	The influence of interactions between isotopologues on coherent, ultrafast vibrational dynamics of liquid C ₂ Cl ₄ . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5149-5158.	1.3	2
9	Dynamics of intermolecular interactions in CCl ₄ via the isotope effect by femtosecond time-resolved spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16046-16054.	1.3	6
10	Efficient Electrosynthesis of Ag ^{II} SO ₄ : A Powerful Oxidizer and Narrow Band Gap Semiconductor. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5401-5404.	1.0	15
11	Back Cover: Efficient Electrosynthesis of Ag ^{II} SO ₄ : A Powerful Oxidizer and Narrow Band Gap Semiconductor (<i>Eur. J. Inorg. Chem.</i> 35/2016). <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5504-5504.	1.0	0
12	Femtosecond optical Kerr effect setup with signal "live view" for measurements in the solid, liquid, and gas phases. <i>Review of Scientific Instruments</i> , 2015, 86, 103109.	0.6	10
13	Dynamics of the time-resolved stimulated Raman scattering spectrum in presence of transient vibronic inversion of population on the example of optically excited trans- β -apo-8'-carotenal. <i>Journal of Chemical Physics</i> , 2014, 140, 204312.	1.2	15
14	Coherent optical phonons in pure and Pr ³⁺ doped YAG crystal studied by Optical Kerr Effect spectroscopy: Temperature and concentration dependence. <i>Chemical Physics</i> , 2014, 442, 119-127.	0.9	4
15	Inhomogeneous Distribution in Methanol/Acetone Mixture: Vibrational and NMR Spectroscopy Analysis. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1416-1425.	1.2	14
16	The role of stimulated Raman scattering in supercontinuum generation in bulk diamond. <i>Optics Express</i> , 2013, 21, 24201.	1.7	13
17	Coherent optical phonons in alexandrite crystal studied by Optical Kerr Effect spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1312-1316.	1.2	3
18	Probing slow dynamics by ultrafast process: Sol-gel transition detected by transient absorption spectroscopy of quantum dots. <i>Journal of Molecular Liquids</i> , 2012, 176, 106-111.	2.3	1

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19	Detailed insight into the hydrogen bonding interactions in acetone-methanol mixtures. A molecular dynamics simulation and Voronoi polyhedra analysis study. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5979.	1.3	24
20	Low frequency response of methanol/acetone mixtures: Optical Kerr effect and molecular dynamics simulations. <i>Journal of Molecular Liquids</i> , 2012, 176, 29-32.	2.3	11
21	Transient absorption study on the influence of several polyphenylene vinylene derivatives on the exciton lifetimes in lead(II) sulfide quantum dots. <i>Chemical Physics Letters</i> , 2012, 532, 77-83.	1.2	3
22	Molecular dynamics simulations and femtosecond optical Kerr effect spectroscopy of methanol/acetone mixtures. <i>Journal of Molecular Liquids</i> , 2011, 159, 60-69.	2.3	12
23	Automodulations observation in an extended cavity Ti:Sapphire oscillator - period doubling and chaos. , 2011, , .		0
24	Synthesis and optical properties of two new PPV derivatives embedded on the surface of PbS nanocrystals. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 215, 69-75.	2.0	9
25	Automodulations in an extended cavity, passively modelocked Ti:Sapphire oscillator-period doubling and chaos. <i>Optics Express</i> , 2010, 18, 26989.	1.7	6
26	Influence of confinement on solvation of ethanol in water studied by Raman spectroscopy. <i>Journal of Chemical Physics</i> , 2010, 133, 234505.	1.2	44
27	On control of chaos and synchronization in the vibronic laser. <i>Optics Express</i> , 2009, 17, 14166.	1.7	4
28	Ultrafast optical Kerr effect spectroscopy of water confined in nanopores of the gelatin gel. <i>Journal of Chemical Physics</i> , 2007, 126, 184708.	1.2	10
29	Ultrashort memory of the quasicrystalline order in water by optical Kerr effect spectroscopy. <i>Chemical Physics Letters</i> , 2006, 429, 575-580.	1.2	24
30	Water structure in nanopores of agarose gel by Raman spectroscopy. <i>Journal of Chemical Physics</i> , 2004, 121, 12583.	1.2	48
31	Universal critical exponents in the percolation approach to fluorescence and ultrasound studies of the gelation process. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 9191-9199.	0.7	4
32	Evolution of water structure in biopolymer solutions during the gelation process. <i>Chemical Physics Letters</i> , 2004, 399, 471-474.	1.2	20
33	Homoclinic dynamics of the vibronic laser. <i>Chaos, Solitons and Fractals</i> , 2003, 17, 387-396.	2.5	6
34	Magnetotransport study of MgB ₂ superconductor. <i>Superconductor Science and Technology</i> , 2003, 16, 1167-1172.	1.8	18
35	Critical exponents in a percolation picture of the fluorescence quenching during the sol-gel transition. <i>European Physical Journal B</i> , 2000, 17, 281-288.	0.6	7
36	Broadening of the resistive transition in polycrystalline Bi/Pb-2223. <i>Superconductor Science and Technology</i> , 2000, 13, 1142-1144.	1.8	2

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37	Homoclinic orbits and chaos in the vibronic short-cavity standing-wave alexandrite laser. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 188.	0.9	14
38	Time evolution of the Raman and fluorescence spectra of the D2O and H2O gelatin solutions during the sol-gel transition. Journal of Molecular Structure, 1999, 511-512, 181-187.	1.8	6
39	Quantum theory of the vibronic solid-state laser. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 848.	0.9	5
40	Vortex Lattice Melting and Viscosity in Y0.6Dy0.4Ba2Cu3O7-x Superconductor Studied by Electrical Resistivity. , 1999, , 301-316.		0
41	Distribution of vortex lattice melting temperatures in mixed state diagram of Bi2212 tapes. Physica C: Superconductivity and Its Applications, 1998, 303, 169-176.	0.6	6
42	Self-pulsations in phonon-assisted lasers. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 2681.	0.9	15
43	A femtosecond snapshot of crystalline order in molecular liquids. Journal of Chemical Physics, 1998, 108, 8489-8498.	1.2	28
44	Instabilities of a short-cavity standing-wave vibronic laser. , 1998, 3573, 2.		2
45	Solgel transition in dye fluorescence measurements. Applied Optics, 1997, 36, 7645.	2.1	4
46	Turn-on transient dynamics in a multimode, compound-cavity laser. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 180.	0.9	7
47	Intrinsic optical bistability for low-frequency rigid layer modes in MoS2 crystal. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 210, 416-422.	0.9	0
48	Phase dynamics in bistable and chaotic behaviour of a soft crystal mode parametrically driven by an optical field. Optics Communications, 1996, 130, 97-103.	1.0	0
49	Conservation of the Kr+(2P1/2) state in the reactive quenching of Kr(5s[1/2]0) atoms by halogen-containing molecules. Journal of Chemical Physics, 1996, 105, 5020-5036.	1.2	14
50	Transient statistics in stabilizing periodic orbits. Physical Review E, 1995, 52, 4676-4680.	0.8	7
51	Intrinsic optical bistability in layered crystals. Applied Optics, 1995, 34, 4326.	2.1	2
52	Experimental control of chaos by means of weak parametric perturbations. Physical Review E, 1994, 49, R2528-R2531.	0.8	135
53	Observation of Kastler ring emission from a short-cavity laser. Applied Optics, 1993, 32, 5930.	2.1	6
54	Electronic quenching rate constants of KrF(B,C) and Kr2F*. Journal of Chemical Physics, 1993, 99, 2591-2600.	1.2	9

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55	Creation and detuning of the two-photon overtone state in crystals by biharmonic pumping. , 1993, , .		0
56	Turn-on transient statistics and dynamics in a multimode, short-cavity laser. Optics Letters, 1992, 17, 931.	1.7	7
57	Quenching constants of KrF(B, C) by Kr and Xe and the KrF(B, C) equilibrium constant. Chemical Physics Letters, 1992, 189, 153-158.	1.2	10
58	<title>Deterministic and quantum noise in dye lasers</title>. , 1991, , .		0
59	Elimination of the Dynamics of the Rotational Levels in a Four-Level CO2 Laser Model. , 1990, , 339-342.		0
60	Dynamics of laser buildup from quantum noise. Physical Review A, 1989, 39, 4004-4015.	1.0	50
61	Delayed bifurcation at the threshold of a swept gain CO2 laser. Optics Communications, 1989, 70, 155-160.	1.0	39
62	Swept dynamics of a CO2 laser near threshold: Two- versus four-level model. Optics Communications, 1988, 65, 47-51.	1.0	43
63	Laser with feedback: an optical implementation of competing instabilities, Shilâ€™nikov chaos, and transient fluctuation enhancement. Journal of the Optical Society of America B: Optical Physics, 1988, 5, 1153.	0.9	41
64	BEHAVIOR OF A CO2 LASER NEAR THRESHOLD : DIFFERENCE BETWEEN PUMP MODULATION AND LOSS MODULATION. Journal De Physique Colloque, 1988, 49, C2-363-C2-366.	0.2	0
65	Laser Dynamics with Competing Instabilities. Physical Review Letters, 1987, 58, 2205-2208.	2.9	89
66	Bistability of the refractive index due to parametric resonance in crystals. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 117, 156-160.	0.9	2
67	Dynamic bistability in parametric resonance in crystals. Optics Communications, 1986, 59, 313-316.	1.0	1
68	Parametric bistable resonance in coherent Raman scattering in crystals. Physical Review A, 1986, 34, 1277-1296.	1.0	12
69	Dynamic behavior and onset of low-dimensional chaos in a modulated homogeneously broadened single-mode laser: Experiments and theory. Physical Review A, 1986, 34, 2073-2081.	1.0	108
70	Evolution of the polarization state of an intense optical wave in uniaxial crystals. Physical Review A, 1986, 34, 351-359.	1.0	3
71	Generation of chaotic dynamics by feedback on a laser. Physical Review A, 1986, 34, 1617-1620.	1.0	85
72	Characterization of a Strange Attractor in an Optical System. Springer Proceedings in Physics, 1986, , 311-313.	0.1	0

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73	Measurement of the formation and evolution of a strange attractor in a laser. Physical Review Letters, 1985, 55, 339-342.	2.9	50
74	Light-induced electric permittivity change in the presence of a dc electric field. Journal of Applied Physics, 1983, 54, 1029-1032.	1.1	2
75	Influence of A D.C. electric field on the polarization of an intense laser beam in liquids. Optics Communications, 1980, 33, 331-334.	1.0	10
76	Ultrafast optical Kerr effect spectroscopy of water confined in nanopores of the gelatin gel. , 0, , .		0