

Michael Belsley

List of Publications by Year in descending order

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166
papers

2,781
citations

186265

28
h-index

223800

46
g-index

180
all docs

180
docs citations

180
times ranked

2954
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative investigations of quantum coherence for a light-harvesting protein at conditions simulating photosynthesis. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4857.	2.8	158
2	Synthesis and characterization of novel diazenes bearing pyrrole, thiophene and thiazole heterocycles as efficient photochromic and nonlinear optical (NLO) materials. <i>Dyes and Pigments</i> , 2011, 91, 62-73.	3.7	127
3	Synthesis and Characterization of Dicyanovinyl-Substituted Thienylpyrroles as New Nonlinear Optical Chromophores. <i>Organic Letters</i> , 2006, 8, 3681-3684.	4.6	99
4	Structural and dielectric properties of Al-doped ZnO nanostructures. <i>Ceramics International</i> , 2014, 40, 6031-6036.	4.8	88
5	Synthesis and characterization of new thienylpyrrolyl-benzothiazoles as efficient and thermally stable nonlinear optical chromophores. <i>Tetrahedron</i> , 2007, 63, 4258-4265.	1.9	86
6	Push-pull bithiophene azo-chromophores bearing thiazole and benzothiazole acceptor moieties: Synthesis and evaluation of their redox and nonlinear optical properties. <i>Dyes and Pigments</i> , 2011, 91, 454-465.	3.7	85
7	Synthesis and second-order nonlinear optical properties of new chromophores containing benzimidazole, thiophene, and pyrrole heterocycles. <i>Tetrahedron</i> , 2007, 63, 9842-9849.	1.9	84
8	Synthesis and characterization of novel (oligo)thienyl-imidazo-phenanthrolines as versatile π -conjugated systems for several optical applications. <i>Tetrahedron</i> , 2008, 64, 9230-9238.	1.9	83
9	2-Arylthienyl-Substituted 1,3-Benzothiazoles as New Nonlinear Optical Chromophores. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 3938-3946.	2.4	75
10	Design, synthesis, and characterization of the electrochemical, nonlinear optical properties, and theoretical studies of novel thienylpyrrole azo dyes bearing benzothiazole acceptor groups. <i>Tetrahedron</i> , 2011, 67, 5189-5198.	1.9	75
11	Synthesis, crystal growth and characterisation of a new nonlinear optical material π -urea l-malic acid. <i>Synthetic Metals</i> , 2000, 115, 225-228.	3.9	66
12	Far-infrared optical constants of ZnO and ZnO/Ag nanostructures. <i>RSC Advances</i> , 2014, 4, 20902-20908.	3.6	65
13	Synthesis, properties and photochromism of novel charge transfer compounds with Keggin anions and protonated 2,2'-biquinoline. <i>Polyhedron</i> , 2002, 21, 2537-2545.	2.2	64
14	Production of Polar β -Glycine Nanofibers with Enhanced Nonlinear Optical and Piezoelectric Properties. <i>Crystal Growth and Design</i> , 2011, 11, 4288-4291.	3.0	48
15	Oriented Single-Crystal-like Molecular Arrangement of Optically Nonlinear 2-Methyl-4-nitroaniline in Electrospun Nanofibers. <i>ACS Nano</i> , 2011, 5, 73-78.	14.6	46
16	Synthesis and optical properties of novel, thermally stable phenanthrolines bearing an arylthienyl-imidazo conjugation pathway. <i>Dyes and Pigments</i> , 2009, 80, 329-336.	3.7	45
17	Synthesis of tricyanovinyl-substituted thienylpyrroles and characterization of the solvatochromic, electrochemical and non-linear optical properties. <i>Tetrahedron</i> , 2005, 61, 11991-11998.	1.9	43
18	Design, synthesis and evaluation of redox, second order nonlinear optical properties and theoretical DFT studies of novel bithiophene azo dyes functionalized with thiadiazole acceptor groups. <i>Dyes and Pigments</i> , 2012, 95, 392-399.	3.7	42

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19	5-Alkoxy-2,2-bithiophene azo dyes: a novel promising series of NLO-chromophores. <i>Tetrahedron</i> , 2008, 64, 5878-5884.	1.9	41
20	Theory for a Hanbury Brown Twiss experiment with a ballistically expanding cloud of cold atoms. <i>Physical Review A</i> , 2006, 74, .	2.5	40
21	Synthesis and characterization of novel, thermally stable 2-aryl-5-dicyanovinylthiophenes and 5-aryl-5-dicyanovinyl-2,2-bithiophenes as potentially promising non-linear optical materials. <i>Dyes and Pigments</i> , 2010, 86, 217-226.	3.7	39
22	Crystal growth and characterization of a new nonlinear optical material: Urea l-Malic Acid. <i>Journal of Crystal Growth</i> , 2003, 253, 460-466.	1.5	35
23	Synthesis and characterization of novel second-order NLO-chromophores bearing pyrrole as an electron donor group. <i>Tetrahedron</i> , 2012, 68, 8147-8155.	1.9	35
24	Push-pull second harmonic generation chromophores bearing pyrrole and thiazole heterocycles functionalized with several acceptor moieties: Syntheses and characterization. <i>Dyes and Pigments</i> , 2016, 128, 89-95.	3.7	35
25	1,1,3,3-Tetramethylguanidinium dihydrogenorthophosphate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 888-889.	0.4	30
26	Yarn features extraction using image processing and computer vision – A study with cotton and polyester yarns. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 68, 1-15.	5.0	30
27	Collisional redistribution of circularly polarized light in barium perturbed by argon. <i>Physical Review A</i> , 1985, 31, 3012-3016.	2.5	29
28	Coherent-hybrid STED: high contrast sub-diffraction imaging using a bi-vortex depletion beam. <i>Optics Express</i> , 2019, 27, 8092.	3.4	29
29	Novel charge transfer supramolecular assemblies with Keggin anions and 2-amino-5-nitropyridine. <i>Dalton Transactions</i> , 2006, , 1197-1203.	3.3	28
30	Yarn hairiness parameterization using a coherent signal processing technique. <i>Sensors and Actuators A: Physical</i> , 2008, 142, 217-224.	4.1	27
31	Yarn Diameter Measurements Using Coherent Optical Signal Processing. <i>IEEE Sensors Journal</i> , 2008, 8, 1785-1793.	4.7	27
32	Synthesis and characterization of push-pull bithienylpyrrole NLOphores with enhanced hyperpolarizabilities. <i>Dyes and Pigments</i> , 2016, 131, 333-339.	3.7	26
33	Unusual supramolecular assembly and nonlinear optical properties of l-histidinium hydrogen malate. <i>Journal of Solid State Chemistry</i> , 2006, 179, 2521-2528.	2.9	25
34	The synthesis and characterization of heterocyclic azo dyes derived from 5-N,N-dialkylamino-2,2-bithiophene couplers. <i>Dyes and Pigments</i> , 2009, 83, 59-65.	3.7	25
35	Studies on physico-chemical properties of hydroxyethylammonium (I) tartrate monohydrate single crystals. <i>Physica B: Condensed Matter</i> , 2011, 406, 4019-4026.	2.7	25
36	Synthesis and characterisation of push-pull flavin dyes with efficient second harmonic generation (SHG) properties. <i>RSC Advances</i> , 2017, 7, 24462-24469.	3.6	25

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37	Fluorescent phenanthroimidazoles functionalized with heterocyclic spacers: synthesis, optical chemosensory ability and two-photon absorption (TPA) properties. <i>New Journal of Chemistry</i> , 2017, 41, 12866-12878.	2.8	25
38	Push-Pull π -Conjugated Diphenylhydrazones Bearing Bithiophene or Thienothiophene Spacers as Nonlinear Optical Second Harmonic Generators and as Photosensitizers for Nanocrystalline TiO_2 Dye-Sensitized Solar Cells. <i>ACS Omega</i> , 2018, 3, 12893-12904.	3.5	25
39	Strong enhancement of second harmonic generation in 2-methyl-4-nitroaniline nanofibers. <i>Nanoscale</i> , 2012, 4, 4978.	5.6	24
40	Study of far infrared optical properties and, photocatalytic activity of ZnO/ZnS hetero-nanocomposite structure. <i>RSC Advances</i> , 2014, 4, 35383.	3.6	24
41	Terpyridine derivatives functionalized with (hetero)aromatic groups and the corresponding Ru complexes: Synthesis and characterization as SHG chromophores. <i>Dyes and Pigments</i> , 2018, 150, 49-58.	3.7	24
42	Self-assembly of dipeptide Boc-diphenylalanine nanotubes inside electrospun polymeric fibers with strong piezoelectric response. <i>Nanoscale Advances</i> , 2019, 1, 4339-4346.	4.6	24
43	Ferroelectric characterization of aligned barium titanate nanofibres. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 105304.	2.8	23
44	Exploring combined dark and bright field illumination to improve the detection of defects on specular surfaces. <i>Optics and Lasers in Engineering</i> , 2017, 88, 120-128.	3.8	23
45	Yarn Hairiness Characterization Using Two Orthogonal Directions. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2009, 58, 594-601.	4.7	21
46	Direct calibration of a spatial light modulator by lateral shearing interferometry. <i>Optics Express</i> , 2010, 18, 7899.	3.4	21
47	Laser damage threshold studies on urea L-malic acid: A nonlinear optical crystal. <i>Journal of Applied Physics</i> , 2006, 99, 083107.	2.5	20
48	Theoretical and experimental studies of aryl-bithiophene based push-pull π -conjugated heterocyclic systems bearing cyanoacetic or rhodanine-3-acetic acid acceptors for SHG nonlinear optical applications. <i>Dyes and Pigments</i> , 2018, 149, 566-573.	3.7	20
49	Observation of extreme sensitivity to induced molecular coherence in stimulated Raman scattering. <i>Physical Review A</i> , 1993, 48, 1514-1525.	2.5	19
50	Near quantum-limited phase memory in a Raman amplifier. <i>Physical Review Letters</i> , 1991, 67, 2446-2449.	7.8	18
51	Growth and physical properties of a new chiral open-framework crystal for NLO applications: Cesium hydrogen l-malate monohydrate. <i>Journal of Crystal Growth</i> , 2009, 311, 4044-4049.	1.5	18
52	Enhancing visibility of graphene on arbitrary substrates by microdroplet condensation. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	17
53	Optical Yarn Hairiness Measurement System. <i>Industrial Informatics</i> , 2009 INDIN 2009 7th IEEE International Conference on, 2007, .	0.0	16
54	Spectroscopic, nonlinear optical and quantum chemical studies on Pyrrolidinium p-Hydroxybenzoate - A phase matchable organic NLO crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 114, 284-292.	3.9	16

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55	Yarn Diameter and Linear Mass Correlation. Journal of Nondestructive Evaluation, 2009, 28, 49-54.	2.4	15
56	High nonlinear optical anisotropy of urea nanofibers. Europhysics Letters, 2010, 91, 28007.	2.0	15
57	Energy Transfer via Exciton Transport in Quantum Dot Based Self-Assembled Fractal Structures. Journal of Physical Chemistry C, 2014, 118, 4982-4990.	3.1	15
58	Development of a Yarn Evenness Measurement and Hairiness Analysis System. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	14
59	Synthesis and structural characterization of Keggin polyoxometalate compounds with arginium(2+) cations. Journal of Molecular Structure, 2010, 963, 267-273.	3.6	14
60	Synthesis, structure and non-linear optical properties of l-argininium perchhenate crystal. CrystEngComm, 2012, 14, 3767.	2.6	13
61	Yarn hairiness and diameter characterization using a CMOS line array. Measurement: Journal of the International Measurement Confederation, 2008, 41, 1077-1092.	5.0	12
62	Efficient second harmonic generation by <i>p</i> -nitroaniline embedded in electro-spun polymeric nanofibres. Journal Physics D: Applied Physics, 2018, 51, 105106.	2.8	12
63	Twin photon beams resulting from the interference of independent broadband squeezed vacua. Physical Review A, 1992, 46, 414-423.	2.5	11
64	Intense optical second harmonic generation from centrosymmetric nanocrystalline para-nitroaniline. Applied Physics Letters, 2014, 104, 181903.	3.3	11
65	Piezoelectric and pyroelectric properties of DL-alanine and L-lysine amino-acid polymer nanofibres. Materials Research Express, 2018, 5, 045049.	1.6	11
66	Anisotropic PCL nanofibers embedded with nonlinear nanocrystals as strong generators of polarized second harmonic light and piezoelectric currents. Nanoscale Advances, 2020, 2, 1206-1213.	4.6	11
67	Self-assembling of Boc-p-nitro-L-phenylalanyl-p-nitro-L-phenylalanine and Boc-L-phenylalanyl-L-tyrosine in solution and into piezoelectric electrospun fibers. Materials Advances, 0, , .	5.4	11
68	Photoacoustic investigations on thermal anisotropy in urea l-malic acid single crystals. Materials Research Bulletin, 2008, 43, 1641-1648.	5.2	10
69	Diffuse second harmonic generation under the ferroelectric switching in Sr _{0.75} Ba _{0.25} Nb ₂ O ₆ crystals. Applied Physics Letters, 2008, 92, 032904.	3.3	10
70	Enhancement of near infrared emission in La co-doped ZnO/Er nanoplates. Ceramics International, 2014, 40, 12947-12951.	4.8	10
71	Enhancement of graphene visibility on transparent substrates by refractive index optimization. Optics Express, 2013, 21, 12934.	3.4	9
72	Long range energy transfer in graphene hybrid structures. Journal Physics D: Applied Physics, 2016, 49, 315102.	2.8	9

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73	Uniform semiclassical off-shell wave functions and T-matrix elements. <i>Physical Review A</i> , 1983, 28, 3291-3299.	2.5	8
74	Time-dependence study of radiation trapping by time-delayed two-photon absorption. <i>Physical Review A</i> , 1984, 29, 1548-1551.	2.5	8
75	Collisional redistribution by laser-induced fluorescence in the Ba-Ar system. <i>Physical Review A</i> , 1987, 35, 1013-1021.	2.5	8
76	Synthesis, structure, thermal and non-linear optical properties of L-argininium hydrogen selenite. <i>Acta Crystallographica Section B: Structural Science</i> , 2001, 57, 828-832.	1.8	8
77	Molybdenum Complexes Bearing (Bi)thienyl- or Arylthienyl-Substituted π -Conjugated Spacers: Synthesis, Electrochemical, Spectroscopic and Nonlinear Optical Properties. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 2998-3004.	2.0	8
78	Narrow optical gap ferroelectric Bi ₂ ZnTiO ₆ thin films deposited by RF sputtering. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10696-10701.	10.3	8
79	Piezoelectric and Optical Response of Uniaxially Stretched (VDF/TrFE) (75/25) Copolymer Films. <i>Materials Science Forum</i> , 2006, 514-516, 945-950.	0.3	7
80	Piezoelectric, nonlinear optical, electro-optical, and pyroelectric properties of cesium hydrogen malate hydrate crystal. <i>Applied Physics Letters</i> , 2007, 90, 073505.	3.3	7
81	Yarn hairiness determination using image processing techniques. , 2011, , .		7
82	Ferroelectric nanofibers with an embedded optically nonlinear benzothiazole derivative. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	7
83	Synthesis of Pyridazine Derivatives by Suzuki-Miyaura Cross-Coupling Reaction and Evaluation of Their Optical and Electronic Properties through Experimental and Theoretical Studies. <i>Molecules</i> , 2018, 23, 3014.	3.8	7
84	Saturation behavior of a far-wing satellite. <i>Journal of Chemical Physics</i> , 1983, 79, 1297-1300.	3.0	6
85	Doppler spectroscopy of blood in vivo under the action of low-intensity laser radiation. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2004, 96, 458-464.	0.6	6
86	Influence of Low-Intensity Laser Radiation on the Rheological Characteristics of Human Blood. <i>Journal of Applied Spectroscopy</i> , 2004, 71, 572-579.	0.7	6
87	A comparison of mass parameters determination using capacitive and optical sensors. <i>Sensors and Actuators A: Physical</i> , 2011, 167, 327-331.	4.1	6
88	$\text{L-Tryptophan 4-nitrophenol trisolvate}$. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o920-o920.	0.2	6
89	Yarn periodical errors determination using three signal processing approaches. , 2013, 23, 1427-1440.		6
90	Optical nonlinearity and piezoelectricity in 2,4,6-trimethylpyridinium perchlorate. <i>Chemical Physics</i> , 2014, 441, 59-65.	1.9	6

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91	Electrospun fibers with highly polarized second harmonic light from 2-amino-4-nitroaniline and 3-nitroaniline nanocrystals embedded in poly-L-lactic acid polymer. <i>Optical Materials</i> , 2021, 116, 111089.	3.6	6
92	Re-crystallization of MNA under a strong dc electric field. <i>Solid State Sciences</i> , 2001, 3, 733-740.	3.2	5
93	Switching kinetics of a relaxor ferroelectric $\text{Sr}_{0.75}\text{Ba}_{0.25}\text{Nb}_2\text{O}_6$ observed by the second harmonic generation method. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 321-325.	1.8	5
94	Synthesis and Characterization of New Push-Pull Anthraquinones Bearing an Arylthienyl-Imidazo Conjugation Pathway as Efficient Nonlinear Optical Chromophores. <i>Materials Science Forum</i> , 2010, 636-637, 387-391.	0.3	5
95	Probing Local Environments by Time-Resolved Stimulated Emission Spectroscopy. <i>International Journal of Spectroscopy</i> , 2012, 2012, 1-5.	1.6	5
96	The influence of nanocrystal size on optical second harmonic generation by para-nitroaniline embedded in electro-spun polymeric fibers. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	5
97	Temperature effects in the collisional redistribution of resonance radiation in the Ba-Ar and Ba-Xe systems. <i>Physical Review A</i> , 1988, 38, 3781-3784.	2.5	4
98	Synthesis and Characterization of a Salt of Sodium with L-Malic Acid: A New Ferroelectric?. <i>Ferroelectrics</i> , 2003, 295, 47-53.	0.6	4
99	<title>Optical clearing of skin tissue produced by application of glucose solution: in vivo study</title>. , 2006, , .		4
100	5-Arylazo-2,2'-Bithiophenes: A Novel Promising Series of NLO Chromophores. <i>Materials Science Forum</i> , 2010, 587-588, 268-272.	0.3	4
101	Comment on "Quantum time-of-flight distribution for cold trapped atoms". <i>Physical Review A</i> , 2008, 77, .	2.5	4
102	YARN DIAMETER CHARACTERIZATION USING TWO ORTHOGONAL DIRECTIONS. <i>Experimental Techniques</i> , 2011, 35, 7-15.	1.5	4
103	Inducible fluorescent speckle microscopy. <i>Journal of Cell Biology</i> , 2016, 212, 245-255.	5.2	4
104	A new synthetic route for compounds prepared from Keggin heteropolyacids and pyridine derivatives. <i>Inorganica Chimica Acta</i> , 2017, 455, 600-606.	2.4	4
105	Evaluating sub-pixel functional defects of a display using an arbitrary resolution camera. <i>Displays</i> , 2017, 49, 40-50.	3.7	4
106	Semiclassical off-shell T-matrix elements for nearly coincident momenta in the classically allowed region. <i>Physical Review A</i> , 1990, 42, 6641-6650.	2.5	3
107	Controllable transport mean free path of light in xerogel matrixes embedded with polystyrene spheres. <i>Optics Express</i> , 2009, 17, 6975.	3.4	3
108	Determination of yarn production characteristics using image processing. <i>International Journal of Imaging Systems and Technology</i> , 2010, 20, 391-399.	4.1	3

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109	Microlenses Array Made with AZ4562 Photoresist for Stereoscopic Acquisition. <i>Procedia Engineering</i> , 2012, 47, 619-622.	1.2	3
110	Holographic spatial coherence analysis of a laser. <i>Optics Letters</i> , 2013, 38, 4350.	3.3	3
111	Self-assembled para-Nitroaniline polymeric thin films as highly efficient generators of second harmonic light. <i>Optical Materials</i> , 2019, 88, 15-23.	3.6	3
112	Silicon Dioxide Thin Films Doped with CdS Microcrystals Grown by Magnetron RF-Sputtering. <i>Materials Science Forum</i> , 1995, 182-184, 111-114.	0.3	2
113	Comment on "Third-Order Optical Nonlinearities in Thin Films of CdS Nanocrystals". <i>Physica Status Solidi (B): Basic Research</i> , 2002, 231, 112-114.	1.5	2
114	Crystal structure and second harmonic generation in cesium hydrogen malate hydrate. , 2005, 5912, 70.		2
115	Imidazolium 4-nitrophenolate 4-nitrophenol monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4031-o4031.	0.2	2
116	Photodegradation Studies of Poly(Vinylidene Fluoride). <i>Materials Science Forum</i> , 0, 587-588, 543-547.	0.3	2
117	Yarn parameterization correlation using optical and capacitive sensors approaches. , 2009, , .		2
118	New optical techniques to improve the visibility of graphene on multiple substrates. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
119	Synthesis and evaluation of NLO properties of π -conjugated donor-acceptor systems bearing pyrrole and thiophene heterocycles. , 2011, , .		2
120	Highly efficient and thermally stable NLO organic materials based on pyrrole and thiophene heterocycles. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
121	Synthesis and photophysical studies of new pyrenylamino acids. <i>Tetrahedron</i> , 2013, 69, 10254-10261.	1.9	2
122	A versatile fluorescence lifetime imaging system for scanning large areas with high time and spatial resolution. <i>Proceedings of SPIE</i> , 2014, , .	0.8	2
123	L-alaninium perchrenate: crystal structure and non-linear optical properties. <i>Open Chemistry</i> , 2014, 12, 1016-1022.	1.9	2
124	Low $\langle \text{inline-formula} \rangle \langle \text{tex-math notation="LaTeX"} \rangle \langle \text{inline-formula} \rangle$ -Number Microlenses for Integration on Optical Microsystems. <i>IEEE Sensors Journal</i> , 2015, 15, 4073-4075.	4.7	2
125	Easy process to obtain suspended graphene flakes on TEM grids. <i>Materials Research Express</i> , 2015, 2, 055602.	1.6	2
126	Collisional-redistribution measurements including the effect of velocity. <i>Physical Review A</i> , 1991, 44, 6136-6139.	2.5	1

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127	Simultaneous measurements of thermally induced birefringence and thermal refraction in absorptive glass filters. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2001, 3, S173-S179.	1.4	1
128	Second Harmonic Generation in para-Nitroaniline through Recrystallization in a Strong Continuous Electric Field. <i>Crystal Growth and Design</i> , 2003, 3, 445-447.	3.0	1
129	Heating of blood by low-intensity laser radiation. , 2003, , .		1
130	Increase of blood microcirculation under influence of low-intensity laser radiation. , 2003, , .		1
131	Fragmentation of erythrocyte aggregates by low intensity laser heating. <i>Journal of Optics</i> , 2005, 7, S308-S317.	1.5	1
132	Using light scattering to measure the temporal coherence of optical sources. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2005, 22, 93.	1.5	1
133	New Oligothiényl-Imidazo-Phenanthroline Chromophores for NLO Applications. <i>Materials Science Forum</i> , 0, 587-588, 263-267.	0.3	1
134	A comparison of mass parameters determination using capacitive and optical sensors. <i>Procedia Chemistry</i> , 2009, 1, 766-769.	0.7	1
135	Synthesis and characterization of novel push-pull thiophene and thienylpyrrole derivatives functionalized with indanonedicyanovinyl acceptor moiety as efficient NLO-chromophores. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
136	Automatic optical inspection of regular grid patterns with an inspection camera used below the Shannon-Nyquist criterion for optical resolution. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
137	Arylthienyl-vinyl-benzothiazoles as Efficient Second Harmonic Generators (SHG) for Nonlinear Optics. <i>Proceedings (mdpi)</i> , 2018, 9, .	0.2	1
138	A model calculation for nonimpact four wave mixing. <i>AIP Conference Proceedings</i> , 1990, , .	0.4	0
139	Comment on "Newton's rings: A classroom demonstration with a He-Ne laser," by A. F. Leung and Jiyeon Ester Lee [<i>Am. J. Phys.</i> 59, 662-664 (1991)]. <i>American Journal of Physics</i> , 1992, 60, 1044-1045.	0.7	0
140	Interplay between heat diffusion and self-focusing in absorptive optical bistability. , 1996, , .		0
141	Index of refraction modifications accompanying absorptive optical bistability in a semiconductor doped glass filter. , 1999, , .		0
142	Paraxial imaging—Earlier references. <i>American Journal of Physics</i> , 2000, 68, 305-306.	0.7	0
143	Modification of the nonlinear optical, dielectric, and structural properties of p-nitroaniline and 2-methyl-4-nitroaniline crystals through recrystallization under a strong dc electric field. , 2002, , .		0
144	Nonlinear propagation of Gaussian beams in micro-emulsions. , 2002, , .		0

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145	Geometric limits to phase matching in self-diffraction experiments. , 2002, , .		0
146	Characterization of thermo-optic nonlinearities in glass filters using the Z-scan technique. , 2002, 4751, 282.		0
147	<title>Investigation of fluctuation spectra of radiation scattered by blood using optimally designed experiments</title>. , 2004, , .		0
148	<title>Fragmentation of erythrocyte aggregates in the skin vascular plexus by low-intensity laser irradiation</title>. , 2004, , .		0
149	Backreflectance from skin investigated in vivo using low-power laser heating. , 2005, , .		0
150	Back-scattered radiation from the capillary network under the influence of low-power laser heating (Invited Paper). , 2005, , .		0
151	Optical and pyroelectric properties and structure of $2[K+H(C_4H_5O_5)] \cdot C_4H_6O_5$. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c364-c365.	0.3	0
152	Benzyltrimethylammonium dihydrogen orthophosphate monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o1127-o1129.	0.2	0
153	<title>Doppler spectroscopy of blood in capillary plexus under the action of 40% glucose solution</title>. , 2006, 6163, 155.		0
154	Supramolecular structure and second harmonic generation in strontium bis(hydrogenL-malate) hexahydrate. Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, m416-m418.	0.4	0
155	Manipulation of blood parameters in the skin by the low-power laser irradiation. Proceedings of SPIE, 2007, , .	0.8	0
156	Backreflectance from the blood plexus in the skin under the low-power laser heating. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 106, 378-388.	2.3	0
157	Pyroelectric potassium hydrogen malate with polarized hydrogen bond chains and aligned dipole moments. Applied Physics Letters, 2008, 93, 222903.	3.3	0
158	Polar Properties of Semiorganic Cesium Hydrogen l-Malate Hydrate Crystal. Ferroelectrics, 2008, 367, 3-7.	0.6	0
159	Controllable transport mean free path of light in xerogel matrixes embedded with polystyrene spheres: erratum. Optics Express, 2009, 17, 8395.	3.4	0
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