

Bohdan Kulyk

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,542
citations

257450

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all docs

51
docs citations

51
times ranked

1519
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review on the production and application of graphene and graphene-based materials in anti-corrosion coatings. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2022, 47, 309-355.	12.3	45
2	A Review on the Applications of Graphene in Mechanical Transduction. <i>Advanced Materials</i> , 2022, 34, e2101326.	21.0	59
3	Laser-Induced Graphene from Paper by Ultraviolet Irradiation: Humidity and Temperature Sensors. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	39
4	Conversion of paper and xylan into laser-induced graphene for environmentally friendly sensors. <i>Diamond and Related Materials</i> , 2022, 123, 108855.	3.9	20
5	Laser-induced graphene from paper for non-enzymatic uric acid electrochemical sensing in urine. <i>Carbon</i> , 2022, 197, 253-263.	10.3	32
6	Laser-Induced Graphene from Paper for Mechanical Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10210-10221.	8.0	115
7	Millimeter sized graphene domains through in situ oxidation/reduction treatment of the copper substrate. <i>Carbon</i> , 2020, 169, 403-415.	10.3	8
8	Electrochemical polymerization of ambipolar carbonyl-functionalized indenofluorene with memristive properties. <i>Optical Materials</i> , 2019, 94, 187-195.	3.6	19
9	UV irradiation induce NLO modulation in photochromic styrylquinoline-based polymers: Computational and experimental studies. <i>Organic Electronics</i> , 2019, 66, 175-182.	2.6	31
10	Nonlinear optical behavior of DNA-functionalized gold nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 703-708.	3.1	6
11	Functionalized Methacrylic Thiazolidinone Polymer for Optical Applications. , 2018, , .		2
12	Study of Second Harmonic Generation in KDP/ Al_2O_3 Crystalline Nanocomposite. <i>Acta Physica Polonica A</i> , 2018, 133, 856-859.	0.5	19
13	Peculiarities of domain structure and the formation process of nano- and microcrystals on the surface of $[\text{NH}_2(\text{CH}_3)_2\text{Al}_0.8\text{Cr}_0.2(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}]$ single crystals. <i>Journal of Physical Studies</i> , 2018, 22, .	0.5	1
14	Spin-coated Tin-doped NiO thin films for third order nonlinear optical applications. <i>Optik</i> , 2017, 136, 237-243.	2.9	24
15	Chemical structure versus second-order nonlinear optical response of the push-pull type pyrazoline-based chromophores. <i>RSC Advances</i> , 2017, 7, 9941-9947.	3.6	28
16	Functionalized azo-based iminopyridine rhenium complexes for nonlinear optical performance. <i>Dyes and Pigments</i> , 2017, 145, 256-262.	3.7	76
17	Spin-coated nickel doped cadmium sulfide thin films for third harmonic generation applications. <i>Journal of Alloys and Compounds</i> , 2017, 696, 1292-1297.	5.5	30
18	Comparative Study on the Structural, Morphological, Linear and Nonlinear Optical Properties of CZTS Thin Films Prepared by Spin-Coating and Spray Pyrolysis. <i>Materials Today: Proceedings</i> , 2017, 4, 5146-5153.	1.8	19

#	ARTICLE	IF	CITATIONS
19	Effect of UV irradiation on nonlinear optical response of azo-based iminopyridine rhenium complexes. , 2017, , .		0
20	Tuning the nonlinear optical properties of BODIPYs by functionalization with dimethylaminostyryl substituents. Dyes and Pigments, 2017, 137, 507-511.	3.7	40
21	Comparison of structural, morphological, linear and nonlinear optical properties of NiO thin films elaborated by Spin-Coating and Spray Pyrolysis. Optik, 2017, 128, 8-13.	2.9	34
22	TTF based donor-pi-acceptor dyads synthesized for NLO applications. Dyes and Pigments, 2017, 138, 255-266.	3.7	20
23	Nonlinear optical response of KDP/Al ₂ O ₃ crystalline nanocomposite. , 2017, , .		0
24	Nonlinear refraction and absorption activity of dimethylaminostyryl substituted BODIPY dyes. RSC Advances, 2016, 6, 84854-84859.	3.6	87
25	Single-Walled Carbon Nanotubes: Structural and optical properties. , 2016, , .		1
26	Metal-induced efficient enhancement of nonlinear optical response in conjugated azo-based iminopyridine complexes. Organic Electronics, 2016, 36, 1-6.	2.6	98
27	Optimization and diagnostic of nonlinear optical features of ï€-conjugated benzodifuran-based derivatives. RSC Advances, 2016, 6, 14439-14447.	3.6	82
28	Quadratic nonlinear optical parameters of 7% MgO-doped LiNbO3 crystal. Optical Materials, 2016, 56, 36-39.	3.6	9
29	Nonlinear optical properties of zinc oxide doped bismuth thin films using Z-scan technique. Optical Materials, 2016, 56, 40-44.	3.6	27
30	Synthesis, spectral, optical properties and theoretical calculations on schiff bases ligands containing o-tolidine. Optical Materials, 2016, 56, 116-120.	3.6	29
31	Multifunctional cholesterol-based peroxide for modification of amino-terminated surfaces: Synthesis, structure and characterization of grafted layer. Applied Surface Science, 2015, 347, 299-306.	6.1	10
32	'Cold' crystallization in nanostructured 80GeSe2-20Ga2Se3 glass. Nanoscale Research Letters, 2015, 10, 49.	5.7	43
33	Effect of Dopants and Surface Morphology on the Absorption Edge of ZnO Films DOPED with in, Al, and Ga. Journal of Applied Spectroscopy, 2015, 82, 153-156.	0.7	12
34	Surface modification by grafted sensitive polymer brushes: An ellipsometric study of their properties. Applied Surface Science, 2013, 276, 340-346.	6.1	29
35	Structural Properties and Temperature Behaviour of Optical Absorption Edge in Polycrystalline ZnO:X (Cu,Ag) Films. Acta Physica Polonica A, 2013, 123, 92.	0.5	11
36	Formation of Nanostructures on the VdW-Surface of CdI2 Crystals. Ukrainian Journal of Physics, 2013, 58, 490-496.	0.2	2

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37	Electrophysical Characteristics of Near-Surface Layers in p-Si Crystals with Sputtered Al Films and Subjected to Elastic Deformation. Ukrainian Journal of Physics, 2013, 58, 742-747.	0.2	6
38	Ellipsometric studies of optical properties of copper doped zinc oxide films on glass substrates. Journal of Alloys and Compounds, 2012, 518, 96-100.	5.5	13
39	Optical absorption and photoluminescence properties of ZnO/PMMA nanocomposite films. Journal of Physics: Conference Series, 2011, 289, 012003.	0.4	16
40	Electrochemical depositions of palladium on indium tin oxide-coated glass and their possible application in organic electronics technology. Micro and Nano Letters, 2011, 6, 592.	1.3	11
41	Third harmonic generation in LiKB4O7 single crystal. Materials Chemistry and Physics, 2010, 120, 114-117.	4.0	15
42	Optical properties of ZnO/PMMA nanocomposite films. Journal of Alloys and Compounds, 2010, 502, 24-27.	5.5	80
43	Influence of Ag, Cu dopants on the second and third harmonic response of ZnO films. Journal of Alloys and Compounds, 2009, 481, 819-825.	5.5	73
44	Linear and nonlinear optical properties of ZnO/PMMA nanocomposite films. Journal of Applied Physics, 2009, 106, .	2.5	84
45	Second and third order nonlinear optical properties of nanostructured ZnO thin films deposited on $\lambda\pm$ -BBO and LiNbO3. Optics Communications, 2008, 281, 6107-6111.	2.1	34
46	Electrochemical Growth and Physico-Chemical Characterization in Organic Medium of Nb2O5 Thin Films. , 2008, , .		1
47	Optical SHG for ZnO films with different morphology stimulated by UV-laser thermotreatment. Journal of Physics: Conference Series, 2007, 79, 012001.	0.4	20
48	Second and third order nonlinear optical properties of microrod ZnO films deposited on sapphire substrates by thermal oxidation of metallic zinc. Journal of Applied Physics, 2007, 102, 113113.	2.5	60
49	Spectroscopic Study of Radiation Effects in DMAAS:Cr Ferroelectrics. Ferroelectrics, 2005, 317, 7-13.	0.6	2
50	Radiation Effects in DMAAS:Cr Ferroelectric Crystal. Acta Physica Polonica A, 2003, 104, 571-580.	0.5	3
51	Characterization and investigation of NLO properties of electrodeposited polythiophenes. Journal of the European Optical Society-Rapid Publications, 0, 4, .	1.9	17