Miroslaw Szybowicz

List of Publications by Year
in descending order

103 papers	1,342 citations	411340 20 h-index	488211 31 g-index
103 all docs	103 docs citations	103 times ranked	2146 citing authors

#	Article	IF	Citations
1	The effect of UV and thermally induced oxidation on the surface and structural properties of CVD diamond layers with different grain sizes. Diamond and Related Materials, 2022, 121, 108739.	1.8	7
2	Glucose determination using amperometric non-enzymatic sensor based on electroactive poly(caffeic) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.5	21
3	Thermal Treatment for Elimination of Impurities in ZnO Thin Films. Acta Physica Polonica A, 2022, 141, 257-260.	0.2	0
4	Preparation of silver nanoparticles in a high voltage AC arc in water. SN Applied Sciences, 2021, 3, 1.	1.5	10
5	The Effect of Surface Treatment on Structural Properties of CVD Diamond Layers with Different Grain Sizes Studied by Raman Spectroscopy. Materials, 2021, 14, 1301.	1.3	6
6	The Influence of Recrystallization on Zinc Oxide Microstructures Synthesized with Solâ€“Gel Method on Scintillating Properties. Crystals, 2021, 11, 533.	1.0	3
7	Controlled microwave-assisted and pH-affected growth of ZnO structures and their photocatalytic performance. Powder Technology, 2021, 386, 221-235.	2.1	22
8	Synthesis, Single Crystal Structural Investigation, Hirshfeld Surface Analysis, Thermoanalysis and Spectroscopic Study of Two New Cu(II) and Co(II) Transition-Metal Complexes. Crystals, 2021, 11, 986.	1.0	5
9	The Undoped Polycrystalline Diamond Filmâ€”Electrical Transport Properties. Sensors, 2021, 21, 6113.	2.1	7
10	The Hydrogenation Impact on Electronic Properties of p-Diamond/n-Si Heterojunctions. Materials, 2021, 14, 6615.	1.3	3
11	Trabecular bone remodelling in the femur of C57BL/6J mice treated with diclofenac in combination with treadmill exercise.. Acta of Bioengineering and Biomechanics, 2021, 23, 3-11.	0.2	1
12	Electrochemical sensitivity of undoped CVD diamond films as function of their crystalline quality. Journal of Electroanalytical Chemistry, 2020, 859, 113811.	1.9	7
13	The nâ€“Si/pâ€“CVD Diamond Heterojunction. Materials, 2020, 13, 3530.	1.3	6
14	Orientation Dependence of Cathodoluminescence and Photoluminescence Spectroscopy of Defects in Chemical-Vapor-Deposited Diamond Microcrystal. Materials, 2020, 13, 5446.	1.3	5
15	A comprehensive study of structural and optical properties of ZnO bulk crystals and polycrystalline films grown by sol-gel method. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	30
16	Highly Crystalline TiO2-MoO3 Composite Materials Synthesized via a Template-Assisted Microwave Method for Electrochemical Application. Crystals, 2020, 10, 493.	1.0	18
17	Thin films of copper phthalocyanine deposited by solution processing methods. Materials Science-Poland, 2020, 38, 79-90.	0.4	1
18	ENCAPSULATION OF ROXITHROMYCIN INTO GELLAN GUM MATRICES AND THE IMPACT OF OTHER NATURAL POLYMERS ON DRUG RELEASE. Acta Poloniae Pharmaceutica, 2020, 77, 319-330.	0.3	2

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19	Alphaâ€keratin and corneous beta protein in the parakeratinized epithelium of the tongue in the domestic goose (Anser anser f. domestica). Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2019, 332, 158-166.	0.6	5
20	Highly Conductive Doped Hybrid Carbon Nanotubeâ€“Graphene Wires. ACS Applied Materials & Interfaces, 2019, 11, 33207-33220.	4.0	22
21	The comparative studies of HF CVD diamond films by Raman and XPS spectroscopies. Optical Materials, 2019, 95, 109251.	1.7	29
22	The effect of low temperature thermal treatment on structural and chemical composition of a-C film with nc-G admixture studied by Raman spectroscopy. Diamond and Related Materials, 2019, 95, 44-54.	1.8	1
23	The influence of the space charge on The Ohm's law conservation in CVD diamond layers. Carbon, 2019, 143, 413-418.	5.4	7
24	Recovery from bone loss, diminished mineral density and strength in mice after treatment with steroidal and nonsteroidal anti-inflammatory drugs by injection of exosomes enriched with agomir miRNAs. Journal of Medical Science, 2019, 88, 261-266.	0.2	0
25	Characterization of titanyl phthalocyanine (TiOPc) thin films by microscopic and spectroscopic method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 191, 203-210.	2.0	3
26	The operational window of carbon nanotube electrical wires treated with strong acids and oxidants. Scientific Reports, 2018, 8, 14332.	1.6	14
27	Characterization of Carbon Nanomaterials by Raman Spectroscopy. , 2018, , 1-36.		3
28	pH-Dependent Behavior of Novel Gellan Beads Loaded with Naproxen. Current Drug Delivery, 2018, 15, 52-63.	0.8	12
29	Gellan gum macrobeads loaded with naproxen: The impact of various naturally derived polymers on pH-dependent behavior. Journal of Biomaterials Applications, 2018, 33, 140-155.	1.2	14
30	Novel organogels for topical delivery of naproxen: design, physicochemical characteristics andin vitrodrug permeation. Pharmaceutical Development and Technology, 2017, 22, 521-536.	1.1	26
31	Design and characteristics of gellan gum beads for modified release of meloxicam. Drug Development and Industrial Pharmacy, 2017, 43, 1314-1329.	0.9	19
32	Raman spectroscopy as a tool of early dental caries detectionâ€“new insights. Journal of Raman Spectroscopy, 2017, 48, 1094-1102.	1.2	24
33	CMOS- compatible fabrication method of graphene-based micro devices. Materials Science in Semiconductor Processing, 2017, 67, 92-97.	1.9	16
34	Charge-based deep level transient spectroscopy of B-doped and undoped polycrystalline diamond films. Journal of Materials Science, 2017, 52, 10119-10126.	1.7	7
35	Localization of Alphaâ€Keratin and Betaâ€Keratin (Corneous Beta Protein) in the Epithelium on the Ventral Surface of the Lingual Apex and Its Lingual Nail in the Domestic Goose (Anser Anser f.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Record, 2017, 300, 1361-1368.	0.8	18
36	Impedance study of undoped, polycrystalline diamond layers obtained by HF CVD. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	2

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37	Efficiency of Mn Removal of Different Filtration Materials for Groundwater Treatment Linking Chemical and Physical Properties. Water (Switzerland), 2017, 9, 498.	1.2	16
38	Structural and Electrical Characterization of Undoped Diamond Layer Grown by HF CVD. Acta Physica Polonica A, 2017, 132, 1411-1414.	0.2	2
39	Thermoluminescence properties of undoped diamond films deposited using HF CVD technique. Materials Science-Poland, 2017, 35, 785-790.	0.4	1
40	Chemically vapor deposited diamond films as dosimetric material for potential clinical applications. Materials Science-Poland, 2017, 35, 702-706.	0.4	1
41	Morphology and molecular arrangement of perylene-3,4,9,10-(n-pentylester) in thin layers obtained by zone-casting. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 165, 15-20.	2.0	1
42	A Raman spectroscopy study of the effect of thermal treatment on structural and photoluminescence properties of CVD diamond films. Materials and Design, 2016, 112, 320-327.	3.3	15
43	The method of purifying bioengineered spider silk determines the silk sphere properties. Scientific Reports, 2016, 6, 28106.	1.6	32
44	Effect of annealing temperature on optical and electrical properties of metallophthalocyanine thin films deposited on silicon substrate. Materials Science-Poland, 2016, 34, 676-683.	0.4	5
45	Temperature dependence of stress in CVD diamond films studied by Raman spectroscopy. Materials Science-Poland, 2015, 33, 620-626.	0.4	7
46	Water at Curved Carbon Surface: Mechanisms of Adsorption Revealed by First Calorimetric Study. Journal of Physical Chemistry C, 2015, 119, 2703-2715.	1.5	10
47	Micro-Raman Spectroscopy of Natural and Synthetic Ferritins and Their Mimetics. Acta Physica Polonica A, 2015, 127, 534-536.	0.2	21
48	Study of CVD diamond layers with amorphous carbon admixture by Raman scattering spectroscopy. Materials Science-Poland, 2015, 33, 799-805.	0.4	104
49	Electrochemical Impedance Spectroscopy Studies of HF CVD Diamond Films. Acta Physica Polonica A, 2015, 128, 447-451.	0.2	0
50	CVD diamond layers for electrochemistry. Materials Science-Poland, 2014, 32, 475-480.	0.4	1
51	Synthesis of carbon nanotubes and nanotube forests on copper catalyst. Materials Research Express, 2014, 1, 035040.	0.8	11
52	Morphology of polyacrylate/nanosilica composites as studied by micro-Raman spectroscopy. Journal of Molecular Structure, 2014, 1070, 131-136.	1.8	8
53	The increase of apatite layer formation by the poly(3-hydroxybutyrate) surface modification of hydroxyapatite and Î²-tricalcium phosphate. Materials Science and Engineering C, 2014, 34, 236-244.	3.8	24
54	Indiumâ€“chlorine and galliumâ€“chlorine tetrasubstituted phthalocyanines in a bulk system, Langmuir monolayers and Langmuirâ€“Blodgett nanolayers â€“ Spectroscopic investigations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 489-496.	2.0	8

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55	Study of a new resin-based composites containing hydroxyapatite filler using Raman and infrared spectroscopy. Materials Chemistry and Physics, 2014, 145, 304-312.	2.0	24
56	Particle clustering in photocurable nanocomposites: Dependence of curing kinetics and viscoelastic properties. Journal of Applied Polymer Science, 2014, 131, .	1.3	7
57	Cyclic voltammetry and impedance studies of undoped diamond films. Materials Science-Poland, 2013, 31, 146-150.	0.4	7
58	Admittance spectroscopy of CuPC-Si and CoPC-Si heterostructures. Electrochimica Acta, 2013, 104, 496-504.	2.6	9
59	Undoped CVD diamond films for electrochemical applications. Electrochimica Acta, 2013, 104, 481-486.	2.6	11
60	The Undoped <scp>CVD</scp> Diamond Electrode: The Effect of Surface Pretreatment on its Electrochemical Properties. Advanced Engineering Materials, 2013, 15, 935-940.	1.6	10
61	Identifying compositional and structural changes in spongy and subchondral bone from the hip joints of patients with osteoarthritis using Raman spectroscopy. Journal of Biomedical Optics, 2012, 17, 017007.	1.4	54
62	Raman and impedance spectroscopy of blend polycarbonate and zinc oxide layers grown by sol-gel method. , 2012, , .		0
63	Optical and electrical properties of ZnO thin films grown by sol-gel method. , 2012, , .		0
64	The influence of working gas on CVD diamond quality. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 1352-1357.	1.7	18
65	Cyclic voltammetry response of an undoped CVD diamond electrodes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 1243-1247.	1.7	9
66	Determination of Collagen Fibers Arrangement in Bone Tissue by Using Transformations of Raman Spectra Maps. Spectroscopy, 2012, 27, 107-117.	0.8	21
67	Orientation study of iron phthalocyanine (FePc) thin films deposited on silicon substrate investigated by atomic force microscopy and micro-Raman spectroscopy. Journal of Materials Science, 2012, 47, 1522-1530.	1.7	43
68	Temperature and orientation study of cobalt phthalocyanine CoPc thin films deposited on silicon substrate as studied by micro-Raman scattering spectroscopy. Thin Solid Films, 2011, 520, 623-627.	0.8	19
69	Electrochemical properties of undoped CVD diamond films. Journal of Physics and Chemistry of Solids, 2011, 72, 1225-1229.	1.9	9
70	The molecular structure ordering and orientation of the metallophthalocyanine CoPc, ZnPc, CuPc, and MgPc thin layers deposited on silicon substrate, as studied by micro-Raman spectroscopy. Journal of Materials Science, 2011, 46, 6589-6595.	1.7	51
71	Determination of composition and structure of spongy bone tissue in human head of femur by Raman spectral mapping. Journal of Materials Science: Materials in Medicine, 2011, 22, 1653-1661.	1.7	54
72	Molecular Orientation and Odd-Even Effect in Nematogenic Homologous Series of 4-Cyanophenyl-4â€²-N-Alkylbenzoate. Molecular Crystals and Liquid Crystals, 2011, 541, 118/[356]-131/[369].	0.4	3

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73	Microâ€Raman spectroscopic investigations of cobalt phthalocyanine thin films deposited on quartz and diamond substrates. Crystal Research and Technology, 2010, 45, 1265-1271.	0.6	34
74	Ultra Highly Selective Synthesis of Double-Walled Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 137-147.	1.0	4
75	Admittance and Raman spectroscopy of nanodiamond thin films grown by HF CVD method. , 2009, , .		0
76	Influence of carbon structure of the anode on the synthesis of single-walled carbon nanotubes in a carbon arc plasma. Carbon, 2009, 47, 2847-2854.	5.4	30
77	Graphene on gold: Electron density of states studies by scanning tunneling spectroscopy. Applied Physics Letters, 2009, 95, .	1.5	50
78	Temperature study of Raman, FT-IR and photoluminescence spectra of ZnPc thin layers on Si substrate. Journal of Molecular Structure, 2007, 830, 14-20.	1.8	20
79	Temperature dependence of FT-IR absorption and Raman scattering of copper phthalocyanine thin layers deposited on silicon substrate. Journal of Molecular Structure, 2006, 782, 177-182.	1.8	11
80	Spectroscopic properties of KGd(WO4)2 and KGd(WO4)2:Ho3+ single crystals studied by Brillouin and Raman scattering methods. Journal of Molecular Structure, 2006, 792-793, 139-145.	1.8	4
81	Comparative Study of Orientational Order of Some Liquid Crystals from Various Homologous Series. Acta Physica Polonica A, 2006, 110, 777-793.	0.2	17
82	Study of orientational order of some nematogenic compounds by spectroscopy methods using linearly polarized light. Journal of Molecular Structure, 2005, 744-747, 307-313.	1.8	11
83	Characterization of bismuth triborate single crystal using Brillouin and Raman spectroscopy. Crystal Research and Technology, 2005, 40, 459-465.	0.6	19
84	Raman and Rayleigh scattering study of crystalline polyoxyethyleneglycols. Crystal Research and Technology, 2005, 40, 466-470.	0.6	12
85	Studies Of Orientational Order Of Some Nematogens By Means Of Raman Scattering Spectroscopy. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 510-516.	0.7	9
86	High temperature study of FT-IR and Raman scattering spectra of vacuum deposited CuPc thin films. Journal of Molecular Structure, 2004, 704, 107-113.	1.8	61
87	High temperature study of FT-IR and Raman scattering spectra of vacuum deposited CuPc thin films. Journal of Molecular Structure, 2004, 704, 107-107.	1.8	1
88	<title>Orientational order of some liquid crystals as studied by optical spectroscopy methods</title>. , 2004, , .		0
89	Raman scattering study of ZnBeSe semiconducting mixed crystals. Crystal Research and Technology, 2003, 38, 359-365.	0.6	5
90	Study of the elastic and elastooptic properties of Zn1â^'xBexSe solid solutions by Brillouin spectroscopy. Journal of Applied Physics, 2003, 93, 3805-3810.	1.1	5

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91	<title>Elastic and elasto-optic properties of Zn<formula><inf><roman>1-x</roman></inf></formula>Be<formula><inf><roman>x</roman></inf></formula>Se mixed crystals by Brillouin scattering method</title>. , 2001, , .		1
92	<title>Temperature, absorption, and excitation study of the A<formula><inf><roman>1-x</roman></inf></formula>B<formula><inf><roman>x</roman></inf></formula>C crystals by Raman scattering method</title>. , 2001, , .		1
93	Study of the A1-xBxC Mixed Crystals by Raman Scattering. Crystal Research and Technology, 1999, 34, 699-702.	0.6	14
94	Band Structure of SrLaGaO3+Î´ and SrLaAlO3+Î´. Crystal Research and Technology, 1999, 34, 715-718.	0.6	7
95	Study of Zn 1-x Mg x Se and Zn 1-x Be x Se semiconducting crystals by Raman scattering. , 1999, , .		0
96	Low-temperature study of SrLaGaO 3+Î´ and SrLaAlO 3+Î´ crystals by Raman scattering. , 1999, 3724, 274.		0
97	<title>Photoluminescence, cathodoluminescence and Raman investigations of Zn1-xMgxSe mixed crystals</title>. , 1997, 3178, 213.		1
98	A spectroscopic study of the layered structure in Bi2Sr2CaCu2O8. Journal of Molecular Structure, 1997, 404, 157-162.	1.8	1
99	Raman Scattering in Zn_{1-x}Mg_xSe Mixed Crystals. Acta Physica Polonica A, 1996, 90, 1040-1044.	0.2	6
100	<title>Tunneling and Raman scattering in ab plane of Bi2Sr2CaCu2O8 single crystal</title>. , 1995, , .		0
101	Temperature study of lattice constants and Raman scattering of SrLaGaO4 single crystal. Solid State Communications, 1995, 96, 785-788.	0.9	14
102	Optical and Electrical Properties of ZnO Thin Films Grown by Sol-Gel Method. Solid State Phenomena, 0, 200, 14-21.	0.3	7
103	Raman and Impedance Spectroscopy of Blend Polycarbonate and Zinc Oxide Layers Grown by Sol-Gel Method. Solid State Phenomena, 0, 200, 22-26.	0.3	5