

JÃ³zef Cebulski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/314543/publications.pdf>

Version: 2024-02-01

103
papers

1,047
citations

430874

18
h-index

526287

27
g-index

104
all docs

104
docs citations

104
times ranked

1224
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Raman Spectroscopy and Infrared Spectroscopy in the Identification of Breast Cancer. <i>Applied Spectroscopy</i> , 2016, 70, 251-263.	2.2	92
2	The classification of lung cancers and their degree of malignancy by FTIR, PCA-LDA analysis, and a physics-based computational model. <i>Talanta</i> , 2018, 186, 337-345.	5.5	61
3	Use of FTIR spectroscopy and PCA-LDC analysis to identify cancerous lesions within the human colon. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 134, 259-268.	2.8	45
4	Raman and FTIR spectroscopy in determining the chemical changes in healthy brain tissues and glioblastoma tumor tissues. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 225, 117526.	3.9	39
5	Comparing paraffined and deparaffinized breast cancer tissue samples and an analysis of Raman spectroscopy and infrared methods. <i>Infrared Physics and Technology</i> , 2016, 76, 217-226.	2.9	38
6	FPA-FTIR Microspectroscopy for Monitoring Chemotherapy Efficacy in Triple-Negative Breast Cancer. <i>Scientific Reports</i> , 2016, 6, 37333.	3.3	36
7	Surface oxidation of SnTe topological crystalline insulator. <i>Applied Surface Science</i> , 2018, 452, 134-140.	6.1	30
8	Monitoring breast cancer treatment using a Fourier transform infrared spectroscopy-based computational model. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 143, 261-268.	2.8	29
9	Fourier Transform Infrared (FTIR) spectroscopy of paraffin and deparaffinized bone tissue samples as a diagnostic tool for Ewing sarcoma of bones. <i>Infrared Physics and Technology</i> , 2017, 85, 364-371.	2.9	27
10	A Preliminary Study of FTIR Spectroscopy as a Potential Non-Invasive Screening Tool for Pediatric Precursor B Lymphoblastic Leukemia. <i>Molecules</i> , 2021, 26, 1174.	3.8	27
11	Experimental Investigation of Electrical Conductivity and Permittivity of SC-TiO ₂ -EG Nanofluids. <i>Nanoscale Research Letters</i> , 2016, 11, 375.	5.7	26
12	Ga-modified As ₂ Se ₃ Te glasses for active applications in IR photonics. <i>Optical Materials</i> , 2015, 46, 228-232.	3.6	25
13	Application of infrared spectroscopy for the identification of squamous cell carcinoma (lung) Tj ETQq1 1 0.784314, 259 / Overlock 10 24	2.9	24
14	Microstructure and luminescent properties of Eu ³⁺ -activated MgGa ₂ O ₄ :Mn ²⁺ ceramic phosphors. <i>Journal of Advanced Ceramics</i> , 2020, 9, 432-443.	17.4	23
15	Phonon and vibrational spectra of hydrogenated CdTe. <i>Journal of Applied Physics</i> , 2006, 100, 013521.	2.5	21
16	Spectroscopic analysis of normal and neoplastic (WI-FTC) thyroid tissue. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 18-24.	3.9	21
17	Development of novel spectroscopic and machine learning methods for the measurement of periodic changes in COVID-19 antibody level. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 196, 111258.	5.0	21
18	Distinguishing Ewing sarcoma and osteomyelitis using FTIR spectroscopy. <i>Scientific Reports</i> , 2018, 8, 15081.	3.3	20

#	ARTICLE	IF	CITATIONS
19	Study of Ga incorporation in glassy arsenic selenides by high-resolution XPS and EXAFS. <i>Journal of Chemical Physics</i> , 2015, 142, 184501.	3.0	17
20	Simultaneous FTIR and Raman Spectroscopy in Endometrial Atypical Hyperplasia and Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4828.	4.1	17
21	Temperature Dependence Discontinuity of the Phonon Mode Frequencies Caused by a Zero-Gap State in HgCdTe Alloys. <i>Physical Review Letters</i> , 2009, 102, 045504.	7.8	16
22	Far-infrared reflectivity as a probe of point defects in Zn- and Cd-doped HgTe. <i>Applied Physics Letters</i> , 2008, 92, 121904.	3.3	15
23	Application of infrared spectroscopy in the identification of Ewing sarcoma: A preliminary report. <i>Infrared Physics and Technology</i> , 2017, 83, 200-205.	2.9	15
24	Nanostructurization effects in PVP-stabilized tetra-arsenic tetra-sulfide As ₄ S ₄ nanocomposites. <i>Materials Chemistry and Physics</i> , 2017, 186, 251-260.	4.0	15
25	Spectroscopic identification of benign (follicular adenoma) and cancerous lesions (follicular) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 321-326.	2.8	15
26	Vibrational spectra of hydrogenated CdTe. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 1147-1154.	0.8	14
27	FTIR Spectroscopy of Cerebrospinal Fluid Reveals Variations in the Lipid: Protein Ratio at Different Stages of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 68, 281-293.	2.6	14
28	Spectroscopic evaluation of carcinogenesis in endometrial cancer. <i>Scientific Reports</i> , 2021, 11, 9079.	3.3	14
29	Verification of the effectiveness of the Fourier transform infrared spectroscopy computational model for colorectal cancer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 611-615.	2.8	13
30	Characterisation of Selected Materials in Medical Applications. <i>Polymers</i> , 2022, 14, 1526.	4.5	13
31	Optical detection of symmetric and antisymmetric states in double quantum wells at room temperature. <i>Physical Review B</i> , 2009, 80, .	3.2	12
32	Identification of chemical changes in healthy breast tissue caused by chemotherapy using Raman and FTIR spectroscopy: A preliminary study. <i>Infrared Physics and Technology</i> , 2019, 102, 102989.	2.9	12
33	Predicting Ewing Sarcoma Treatment Outcome Using Infrared Spectroscopy and Machine Learning. <i>Molecules</i> , 2019, 24, 1075.	3.8	12
34	Effect of high-energy mechanical milling on the FSDP-related XRPD correlations in Se-rich glassy arsenic selenides. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 124, 318-326.	4.0	12
35	First interpretation of phonon spectra of quaternary solid solutions using fine structure far-IR reflectivity by synchrotron radiation. <i>Infrared Physics and Technology</i> , 2006, 49, 13-18.	2.9	11
36	Classification of aggressive and classic mantle cell lymphomas using synchrotron Fourier Transform Infrared microspectroscopy. <i>Scientific Reports</i> , 2019, 9, 12857.	3.3	11

#	ARTICLE	IF	CITATIONS
37	Structure and antibacterial properties of Ag and N doped titanium dioxide coatings containing Ti _{2.85} O ₄ N phase, prepared by magnetron sputtering and annealing. Surface and Coatings Technology, 2020, 393, 125844.	4.8	11
38	Additional and canonical phonon modes in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

#	ARTICLE	IF	CITATIONS
55	Additional phonon modes related to intrinsic defects in CdHgTe. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 2012-2015.	0.8	4
56	Light-Curing Volumetric Shrinkage in Dimethacrylate-Based Dental Composites by Nanoindentation and PAL Study. <i>Nanoscale Research Letters</i> , 2017, 12, 75.	5.7	4
57	The Spectroscopic Similarity between Breast Cancer Tissues and Lymph Nodes Obtained from Patients with and without Recurrence: A Preliminary Study. <i>Molecules</i> , 2020, 25, 3295.	3.8	4
58	Multimode nature and magnetophonon resonance of quaternary solid solutions of zinc, cadmium, and mercury tellurides. <i>Semiconductors</i> , 1998, 32, 901-909.	0.5	3
59	Effect of band inversion on the phonon spectra of Hg _{1-x} Zn _x Te and Hg _{1-x} Cd _x Te semiconductor alloys. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 2836-2839.	0.8	3
60	Analysis of the phonon line profile of hydrogenated CdTe. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 325217.	1.8	3
61	Mathematical modeling of elementary trapping-reduction processes in positron annihilation lifetime spectroscopy: methodology of Ps-to-positron trapping conversion. <i>Journal of Physics: Conference Series</i> , 2017, 936, 012049.	0.4	3
62	Characterisation of breast cancer molecular signature and treatment assessment with vibrational spectroscopy and chemometric approach. <i>PLoS ONE</i> , 2022, 17, e0264347.	2.5	3
63	Magnetophonon resonance as method of controlling of the thermal stress in the multiple quantum wells. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 288, 138-141.	5.6	2
64	Magnetophonon resonance in Mn Cd Hg _{1-x} Te and Zn Cd Hg _{1-x} Te. <i>Journal of Alloys and Compounds</i> , 2004, 371, 103-106.	5.5	2
65	Anisotropy of the oriented mono-crystalline ZnCdTe phonon spectra obtained by synchrotron radiation. <i>Infrared Physics and Technology</i> , 2006, 49, 19-22.	2.9	2
66	Quantitative imaging of diatoms by PeakForce atomic force microscopy. <i>Surface and Interface Analysis</i> , 2014, 46, 851-855.	1.8	2
67	Time-of-Flight Secondary Ion Mass Spectroscopy with Bismuth Primary Ions of Clean and Air-Exposed Surfaces of Tellurium. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 429-436.	1.0	2
68	Characterization Of Oxide Layers Produced On The AISI 321 Stainless Steel After Annealing. <i>Archives of Metallurgy and Materials</i> , 2015, 60, 2327-2334.	0.6	2
69	Surface phenomena in a precipitation-hardenable nickel-chromium alloy during multiple heating/cooling. <i>Thin Solid Films</i> , 2015, 591, 311-315.	1.8	2
70	Influence of the electron-phonon interaction on the temperature dependence of the phonon mode frequency in the II-VI compound solid solutions. <i>Journal of Applied Physics</i> , 2015, 117, 025702.	2.5	2
71	On the energetic criterion for destructive clustering of metallic nanoparticles in chalcogenide and oxide glassy matrices. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 494-498.	1.5	2
72	Nanoscale Inhomogeneities Mapping in Ga-Modified Arsenic Selenide Glasses. <i>Nanoscale Research Letters</i> , 2017, 12, 88.	5.7	2

#	ARTICLE	IF	CITATIONS
73	Optical properties of ZnCoO layers obtained by PLD method. Materials Science-Poland, 2017, 35, 878-884.	1.0	2
74	Role of Bi and Ga additives in the physical properties and structure of GeSe ₄ -GeTe ₄ glasses. Materials Characterization, 2018, 142, 50-58.	4.4	2
75	Manifestation of defects in phonon spectra of binary zinc-blende compounds. EPJ Applied Physics, 2004, 27, 321-324.	0.7	2
76	The Influence of Sonication and Silver Nanoparticles Doped on Viscoelastic Structure of Agarose Gel. Acta Physica Polonica A, 2017, 132, 152-154.	0.5	2
77	Silver nanoparticles deposited on calcium hydrogenphosphate – silver phosphate matrix; biological activity of the composite. Polish Journal of Chemical Technology, 2019, 21, 6-13.	0.5	2
78	Molecular speciation analysis of oxidized metal surfaces by TOF SIMS. Applied Surface Science, 2022, 577, 151855.	6.1	2
79	Investigation of the strain layers in multiple quantum wells by magnetophonon resonance. , 2001, 4413, 248.		1
80	Magnetophonon spectroscopy of Zn Cd Hg _{1-x-y} Te. Physica B: Condensed Matter, 2001, 298, 457-461.	2.7	1
81	Controlling of hydrogen and oxygen atoms in CdTe by means of far-infrared spectroscopy using synchrotron radiation. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1462-1472.	0.8	1
82	Quantitative method of the point defect concentration determination in Zn- and Cd-doped HgTe using the far-infrared spectroscopy. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2020-2023.	0.8	1
83	Composition of PbTe oxides obtained by different methods. Materials Science in Semiconductor Processing, 2014, 21, 20-25.	4.0	1
84	Changes of PbSnTe thin film thickness due to the oxidation by different methods. Thin Solid Films, 2015, 591, 346-350.	1.8	1
85	The use of high-mass clusters to measure the TOF SIMS profiles of implanted bismuth. International Journal of Mass Spectrometry, 2017, 422, 143-145.	1.5	1
86	Body Mass Index (BMI) and Infectious/Febrile Episodes in Children with Intermediate Risk Acute Lymphoblastic Leukemia (IR ALL). Nutrition and Cancer, 2019, 71, 701-707.	2.0	1
87	Depression as is Seen by Molecular Spectroscopy. Phospholipid- Protein Balance in Affective Disorders and Dementia. Current Molecular Medicine, 2020, 20, 484-487.	1.3	1
88	<title>Determining of the material parameters of ZnxCdyHg$1-x-y$Te by magnetophonon spectroscopy</title>. , 2001, 4412, 263.		0
89	Determining MnxCdyHg _{1-x-y} Te and ZnxCdyHg _{1-x-y} Te material parameters by magnetophonon spectroscopy. Physica Status Solidi A, 2003, 195, 255-259.	1.7	0
90	MAGNETOPHONON RESONANCE IN MnxCdyHg _{1-x-y} Te. International Journal of Modern Physics B, 2007, 21, 1615-1620.	2.0	0

#	ARTICLE	IF	CITATIONS
91	Influence of hydrogen on hydrogenated cadmium telluride optical spectra. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2016-2019.	0.8	0
92	Restructuring of the phonon spectra of the MCT and MZT alloy at the Dirac point singularity. , 2011, , .		0
93	An out-of-specification element oxide found in the subsurface layer of Ni superalloys after annealing in air. Corrosion Science, 2016, 108, 205-208.	6.6	0
94	Role of electron-phonon interaction in the temperature dependence of the phonon mode frequency in II-VI compound alloys. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 510-513.	0.8	0
95	Luminescence and Nanopores in Spinel ZnGa ₂ O ₄ Ceramics Doped with Mn ²⁺ Ions: Synthesis and Properties of Nanomaterials. , 2018, , .		0
96	The Role of a Thin Aluminum Film in the Reconstruction of Siliconâ€™s Near-Surface Layers. Lecture Notes in Mechanical Engineering, 2019, , 189-196.	0.4	0
97	Tunable Color Filter Based on Optomechanical Plasmonic Device. , 2019, , .		0
98	Light-curing effects in acrylic-type dental nanocomposites probed by annihilating positrons: the case of densely monolith DCTA-3Ä® restoratives. Applied Nanoscience (Switzerland), 2020, 10, 4791-4796.	3.1	0
99	Light-curing effects in acrylic-type dental nanocomposites probed by annihilating positrons: the case of loosely monolith DipolÄ® restoratives. Applied Nanoscience (Switzerland), 2020, 10, 4753-4758.	3.1	0
100	Remedial insight on ageing of glass through the study of ancient manâ€™made artefacts. Archaeometry, 2021, 63, 312-326.	1.3	0
101	Probing calorimetric heat transfer phenomena in multi-nanophase substances: A case study of some over-stoichiometric nanoarsenicals. Thermochemica Acta, 2021, 701, 178955.	2.7	0
102	Structure, Morphology, and Optical-Luminescence Properties of Eu ³⁺ - and Mn ²⁺ -Activated ZnGa ₂ O ₄ and MgGa ₂ O ₄ Ceramics. Springer Proceedings in Physics, 2020, , 363-378.	0.2	0
103	First identification of the effects of low frequency electromagnetic field on the micromolecular changes in adipose tissue-derived mesenchymal stem cells by fourier transform infrared spectroscopy. Journal of Medical Physics, 2021, 46, 253-262.	0.3	0