

Radu Hristu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1461989/publications.pdf>

Version: 2024-02-01

79
papers

909
citations

471509

17
h-index

526287

27
g-index

81
all docs

81
docs citations

81
times ranked

1076
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Extramammary Paget Disease by Two-Photon Microscopy. <i>Frontiers in Medicine</i> , 2022, 9, 839786.	2.6	2
2	Scattering-type Scanning Near-Field Optical Microscopy of Polymer-Coated Gold Nanoparticles. <i>ACS Omega</i> , 2022, 7, 11353-11362.	3.5	9
3	PSHG-TISS: A collection of polarization-resolved second harmonic generation microscopy images of fixed tissues. <i>Scientific Data</i> , 2022, 9, .	5.3	5
4	Multi-Level Evaluation of UV Action upon Vitamin D Enhanced, Silver Doped Hydroxyapatite Thin Films Deposited on Titanium Substrate. <i>Coatings</i> , 2021, 11, 120.	2.6	3
5	Influence of hematoxylin and eosin staining on the quantitative analysis of second harmonic generation imaging of fixed tissue sections. <i>Biomedical Optics Express</i> , 2021, 12, 5829.	2.9	9
6	Characterization of <i>Acinetobacter baumannii</i> Filamentous Cells by Re-Scan Confocal Microscopy and Complementary Fluorometric Approaches. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-7.	2.9	3
7	Pixel-level angular quantification of capsular collagen in second harmonic generation microscopy images of encapsulated thyroid nodules. <i>Journal of Biophotonics</i> , 2020, 13, e202000262.	2.3	7
8	STED nanoscopy of <i>KK114</i> -stained pathogenic bacteria. <i>Journal of Biophotonics</i> , 2020, 13, e202000097.	2.3	5
9	Characterization of Nanomaterials by Locally Determining Their Complex Permittivity with Scattering-Type Scanning Near-Field Optical Microscopy. <i>ACS Applied Nano Materials</i> , 2020, 3, 1250-1262.	5.0	14
10	Surface optical characterization at nanoscale using phasor representation of data acquired by scattering scanning near-field optical microscopy. <i>Applied Surface Science</i> , 2020, 509, 145347.	6.1	3
11	Objective analysis of collagen organization in thyroid nodule capsules using second harmonic generation microscopy images and the Hough transform. <i>Applied Optics</i> , 2020, 59, 6925.	1.8	10
12	Multiphoton microscopy of the dermoepidermal junction and automated identification of dysplastic tissues with deep learning. <i>Biomedical Optics Express</i> , 2020, 11, 186.	2.9	21
13	SSNOMBACTER: A collection of scattering-type scanning near-field optical microscopy and atomic force microscopy images of bacterial cells. <i>GigaScience</i> , 2020, 9, .	6.4	11
14	Growth Mechanisms and the Effects of Deposition Parameters on the Structure and Properties of High Entropy Film by Magnetron Sputtering. <i>Materials</i> , 2019, 12, 3008.	2.9	7
15	Strategies for Optimizing the Determination of Second-Order Nonlinear Susceptibility Tensor Coefficients for Collagen in Histological Samples. <i>IEEE Access</i> , 2019, 7, 135210-135219.	4.2	3
16	Advances in Fractal Analysis of the Biological Tissues Images Obtained by Using Laser Scanning Microscopy. , 2019, , .		0
17	Preparations of Silver/Montmorillonite Biocomposite Multilayers and Their Antifungal Activity. <i>Coatings</i> , 2019, 9, 817.	2.6	14
18	Investigating Human Skin Using Deep Learning Enhanced Multiphoton Microscopy. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Correlative Imaging Using a Multimodal Microscopy System for Investigations at Micro and Nano Scales. , 2019, , .		1
20	Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy. , 2019, , .		0
21	Nanoscale mapping of refractive index by using scattering-type scanning near-field optical microscopy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 47-50.	3.3	26
22	A New Technique in Scanning Near Field Optical Microscopy Used for Investigations on the Biological Samples. , 2018, , .		2
23	Towards Automated Tissue Characterization Using Parallel Bag-of-Features Experts Dealing with Two-Photon Excitation Fluorescence and Second Harmonic Generation Microscopy Datasets. , 2018, , .		1
24	Nanoscale Investigations of Optical Fiber by Using Scattering Scanning Near-Field Optical Microscopy. , 2018, , .		1
25	Changes in the Collagen Structure of Thyroid Nodule Capsules Determined by Polarization-Resolved Second Harmonic Generation Microscopy. , 2018, , .		3
26	Quantitative second harmonic generation microscopy for the structural characterization of capsular collagen in thyroid neoplasms. Biomedical Optics Express, 2018, 9, 3923.	2.9	31
27	Imaging Biological Specimens and Advanced Materials with Correlative Far-field Near-field Microscopy. , 2018, , .		0
28	Nanoscale imaging by using label free microscopy techniques. , 2017, , .		0
29	Identification of stacking faults in silicon carbide by polarization-resolved second harmonic generation microscopy. Scientific Reports, 2017, 7, 4870.	3.3	10
30	A Study on Image Quality in Polarization-Resolved Second Harmonic Generation Microscopy. Scientific Reports, 2017, 7, 15476.	3.3	24
31	Improved quantification of collagen anisotropy with polarization-resolved second harmonic generation microscopy. Journal of Biophotonics, 2017, 10, 1171-1179.	2.3	38
32	Correlative investigations of biological specimens using label free far-field and near-field microscopy techniques. , 2017, , .		1
33	Correlative imaging of biological tissues with apertureless scanning near-field optical microscopy and confocal laser scanning microscopy. Biomedical Optics Express, 2017, 8, 5374.	2.9	19
34	Enamel Based Composite Layers Deposited on Titanium Substrate with Antifungal Activity. Journal of Spectroscopy, 2016, 2016, 1-13.	1.3	17
35	Perspectives on combining Nonlinear Laser Scanning Microscopy and Bag-of-Features data classification strategies for automated disease diagnostics. Optical and Quantum Electronics, 2016, 48, 1.	3.3	5
36	Embedding complementary imaging data in laser scanning microscopy micrographs by reversible watermarking. Biomedical Optics Express, 2016, 7, 1127.	2.9	2

#	ARTICLE	IF	CITATIONS
37	Combined far-field, near-field and topographic imaging of nano-engineered polyelectrolyte capsules. <i>Materials Letters</i> , 2016, 183, 105-108.	2.6	11
38	A comparative study of corrosion inhibitors on hot-dip galvanized steel. <i>Corrosion Science</i> , 2016, 112, 289-307.	6.6	90
39	Nonlinear optical effects used for investigations on biological samples at micro and nanoscale. , 2016, , .		3
40	Bag-of-features approaches for combined classification of laser scanning microscopy and spectroscopy data sets. , 2016, , .		0
41	Mapping electron-beam-injected trapped charge with scattering scanning near-field optical microscopy. <i>Optics Letters</i> , 2016, 41, 1046.	3.3	7
42	On packing laser scanning microscopy images by reversible watermarking: A case study. , 2015, , .		0
43	Antimicrobial Activity Evaluation on Silver Doped Hydroxyapatite/Polydimethylsiloxane Composite Layer. <i>BioMed Research International</i> , 2015, 2015, 1-13.	1.9	36
44	Bags of features for classification of Laser Scanning Microscopy data. , 2015, , .		2
45	High-resolution quantitative determination of dielectric function by using scattering scanning near-field optical microscopy. <i>Scientific Reports</i> , 2015, 5, 11876.	3.3	28
46	Electron beam influence on the carbon contamination of electron irradiated hydroxyapatite thin films. <i>Applied Surface Science</i> , 2015, 346, 342-347.	6.1	8
47	Evaluation of the protective ability of typical corrosion inhibitors for magnesium alloys towards the Mg ZK30 variant. <i>Corrosion Science</i> , 2015, 100, 194-208.	6.6	54
48	Structural characterization and adhesion appraisal of TiN and TiCN coatings deposited by CAE-PVD technique on a new carbide composite cutting tool. <i>Journal of Adhesion Science and Technology</i> , 2015, 29, 2576-2589.	2.6	25
49	A study on the image contrast of pseudo-heterodyned scattering scanning near-field optical microscopy. <i>Optics Express</i> , 2014, 22, 1687.	3.4	17
50	Efficiency of Vanilla, Patchouli and Ylang Ylang Essential Oils Stabilized by Iron Oxide@C14 Nanostructures against Bacterial Adherence and Biofilms Formed by <i>Staphylococcus aureus</i> and <i>Klebsiella pneumoniae</i> Clinical Strains. <i>Molecules</i> , 2014, 19, 17943-17956.	3.8	49
51	Investigations on organic fluorophore doped silica nanoparticles by apertureless scanning near-field optical microscopy. , 2014, , .		1
52	Hydroxyapatite surface charge investigated by scanning probe microscopy. , 2014, , .		2
53	Surface Charge and Carbon Contamination on an Electron-Beam-Irradiated Hydroxyapatite Thin Film Investigated by Photoluminescence and Phase Imaging in Atomic Force Microscopy. <i>Microscopy and Microanalysis</i> , 2014, 20, 586-595.	0.4	9
54	Nonlinear optical imaging of defects in cubic silicon carbide epilayers. <i>Scientific Reports</i> , 2014, 4, 5258.	3.3	17

#	ARTICLE	IF	CITATIONS
55	Gas Sensing Properties of Porphyrin Thin Films Influenced by Their Surface Morphologies. <i>Sensor Letters</i> , 2014, 12, 1218-1227.	0.4	3
56	Investigations at nanoscale by using fluorescence in apertureless scanning near field microscopy. , 2013, , .		1
57	Magnetic Nanoparticles for Controlling in vitro Fungal Biofilms. <i>Current Organic Chemistry</i> , 2013, 17, 1023-1028.	1.6	9
58	Metallic samples investigated by using a scattering near field optical microscope. , 2012, , .		1
59	Hybrid Nanomaterial for Stabilizing the Antibiofilm Activity of <i>Eugenia carryophyllata</i> Essential Oil. <i>IEEE Transactions on Nanobioscience</i> , 2012, 11, 360-365.	3.3	36
60	The interaction between the gas sensing and surface morphology properties of LB thin films of porphyrins in terms of the adsorption kinetics. <i>Materials Chemistry and Physics</i> , 2012, 136, 1130-1136.	4.0	11
61	Two-photon excited photoluminescence of photonic quantum ring laser structures. <i>Applied Physics B: Lasers and Optics</i> , 2012, 107, 97-101.	2.2	0
62	Influence of atomic force microscopy acquisition parameters on thin film roughness analysis. <i>Microscopy Research and Technique</i> , 2012, 75, 921-927.	2.2	10
63	Inhibitory Activity of Fe_3O_4 /Oleic Acid/Usnic Acid Core/Shell/Extra-Shell Nanofluid on <i>S. aureus</i> Biofilm Development. <i>IEEE Transactions on Nanobioscience</i> , 2011, 10, 269-274.	3.3	53
64	Optical beam induced current microscopy of photonic quantum ring lasers. <i>Applied Physics B: Lasers and Optics</i> , 2011, 103, 653-657.	2.2	4
65	Digital image inpainting and microscopy imaging. <i>Microscopy Research and Technique</i> , 2011, 74, 1049-1057.	2.2	4
66	Influence of Confocal Scanning Laser Microscopy specific acquisition parameters on the detection and matching of Speeded-Up Robust Features. <i>Ultramicroscopy</i> , 2011, 111, 364-374.	1.9	14
67	The influence of the surface morphologies of Langmuir Blodgett (LB) thin films of porphyrins on their gas sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2011, 158, 62-68.	7.8	30
68	Investigations on SiC by using nonlinear effects in scanning laser microscopy. , 2011, , .		4
69	Magnetic chitosan for drug targeting and in vitro drug delivery response. <i>Biointerface Research in Applied Chemistry</i> , 2011, 1, 160-165.	1.0	27
70	On the Suitability of SIFT Technique to Deal with Image Modifications Specific to Confocal Scanning Laser Microscopy. <i>Microscopy and Microanalysis</i> , 2010, 16, 515-530.	0.4	14
71	Optical induced current technique used to investigate the photonic quantum ring laser. , 2010, , .		0
72	Two Photon Emission and Nonlinear Optical Imaging of Acetonitrile-Treated Quasi-Spherical Nanoscale PbS Systems. <i>IEEE Photonics Journal</i> , 2010, 2, 1060-1068.	2.0	6

#	ARTICLE	IF	CITATIONS
73	The inhibitory activity of pomelo essential oil on the bacterial biofilms development on soft contact lenses. Roumanian Archives of Microbiology and Immunology, 2010, 69, 145-52.	0.3	4
74	Image fusion for photonic quantum ring laser structures investigated by confocal scanning laser microscopy. , 2009, , .		1
75	Near field investigation based on a novel apertureless near field optical microscope. , 2009, , .		3
76	Feature based recognition of photonic devices in images obtained by confocal scanning laser microscopy. , 2009, , .		0
77	Photonic-Corral-Mode Quantum Ring Lasers investigated by Laser Scanning Microscopy and Near Field Microscopy. , 2008, , .		2
78	Investigation on Photonic-Corral-Mode Quantum Ring Lasers by Laser Scanning Microscopy. , 2008, , .		6
79	Investigation on CdS: Mn quantum dots using scanning laser microscopy. , 2007, , .		0