

Denis E Tranca

List of Publications by Year in descending order

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29
papers

297
citations

1040056

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888059

17
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all docs

29
docs citations

29
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved quantification of collagen anisotropy with polarization-resolved second harmonic generation microscopy. <i>Journal of Biophotonics</i> , 2017, 10, 1171-1179.	2.3	38
2	Quantitative second harmonic generation microscopy for the structural characterization of capsular collagen in thyroid neoplasms. <i>Biomedical Optics Express</i> , 2018, 9, 3923.	2.9	31
3	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
4	Nanoscale mapping of refractive index by using scattering-type scanning near-field optical microscopy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 47-50.	3.3	26
5	Correlative imaging of biological tissues with apertureless scanning near-field optical microscopy and confocal laser scanning microscopy. <i>Biomedical Optics Express</i> , 2017, 8, 5374.	2.9	19
6	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
7	Nonlinear optical imaging of defects in cubic silicon carbide epilayers. <i>Scientific Reports</i> , 2014, 4, 5258.	3.3	17
8	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
9	Combined far-field, near-field and topographic imaging of nano-engineered polyelectrolyte capsules. <i>Materials Letters</i> , 2016, 183, 105-108.	2.6	11
10	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
11	Identification of stacking faults in silicon carbide by polarization-resolved second harmonic generation microscopy. <i>Scientific Reports</i> , 2017, 7, 4870.	3.3	10
12	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
13	Scattering-type Scanning Near-Field Optical Microscopy of Polymer-Coated Gold Nanoparticles. <i>ACS Omega</i> , 2022, 7, 11353-11362.	3.5	9
14	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
15	Contrast enhancement influences the detection of gradient based local invariant features and the matching of their descriptors. <i>Journal of Visual Communication and Image Representation</i> , 2015, 32, 246-256.	2.8	8
16	Mapping electron-beam-injected trapped charge with scattering scanning near-field optical microscopy. <i>Optics Letters</i> , 2016, 41, 1046.	3.3	7
17	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
18	<sc>STED</sc> nanoscopy of <sc>KK114</sc>-stained pathogenic bacteria. <i>Journal of Biophotonics</i> , 2020, 13, e202000097.	2.3	5

#	ARTICLE	IF	CITATIONS
19	PSHG-TISS: A collection of polarization-resolved second harmonic generation microscopy images of fixed tissues. Scientific Data, 2022, 9, .	5.3	5
20	2D infrared self-focusing in bulk photorefractive SBN. Optical Materials Express, 2011, 1, 1178.	3.0	3
21	Changes in the Collagen Structure of Thyroid Nodule Capsules Determined by Polarization-Resolved Second Harmonic Generation Microscopy. , 2018, , .		3
22	Surface optical characterization at nanoscale using phasor representation of data acquired by scattering scanning near-field optical microscopy. Applied Surface Science, 2020, 509, 145347.	6.1	3
23	Hydroxyapatite surface charge investigated by scanning probe microscopy. , 2014, , .		2
24	Embedding complementary imaging data in laser scanning microscopy micrographs by reversible watermarking. Biomedical Optics Express, 2016, 7, 1127.	2.9	2
25	Design and simulation of infrared optical logic gates based on Si photonic crystal waveguides for high density photonic integrated circuits. Proceedings of SPIE, 2012, , .	0.8	1
26	Metallic samples investigated by using a scattering near field optical microscope. , 2012, , .		1
27	Investigations at nanoscale by using fluorescence in apertureless scanning near field microscopy. , 2013, , .		1
28	Investigations on organic fluorophore doped silica nanoparticles by apertureless scanning near-field optical microscopy. , 2014, , .		1
29	Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy. , 2019, , .		0