

Denis E Tranca

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

297
citations

1040056

9
h-index

888059

17
g-index

29
all docs

29
docs citations

29
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Scattering-type Scanning Near-Field Optical Microscopy of Polymer-Coated Gold Nanoparticles. ACS Omega, 2022, 7, 11353-11362.	3.5	9
2	PSHG-TISS: A collection of polarization-resolved second harmonic generation microscopy images of fixed tissues. Scientific Data, 2022, 9, .	5.3	5
3	<scp>STED</scp> nanoscopy of <scp>KK114</scp>â€stained pathogenic bacteria. Journal of Biophotonics, 2020, 13, e202000097.	2.3	5
4	Characterization of Nanomaterials by Locally Determining Their Complex Permittivity with Scattering-Type Scanning Near-Field Optical Microscopy. ACS Applied Nano Materials, 2020, 3, 1250-1262.	5.0	14
5	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
6	SSNOMBACTER: A collection of scattering-type scanning near-field optical microscopy and atomic force microscopy images of bacterial cells. GigaScience, 2020, 9, .	6.4	11
7	Growth Mechanisms and the Effects of Deposition Parameters on the Structure and Properties of High Entropy Film by Magnetron Sputtering. Materials, 2019, 12, 3008.	2.9	7
8	Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy. , 2019, , .		0
9	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
10	Changes in the Collagen Structure of Thyroid Nodule Capsules Determined by Polarization-Resolved Second Harmonic Generation Microscopy. , 2018, , .		3
11	Quantitative second harmonic generation microscopy for the structural characterization of capsular collagen in thyroid neoplasms. Biomedical Optics Express, 2018, 9, 3923.	2.9	31
12	Identification of stacking faults in silicon carbide by polarization-resolved second harmonic generation microscopy. Scientific Reports, 2017, 7, 4870.	3.3	10
13	Improved quantification of collagen anisotropy with polarizationâ€resolved second harmonic generation microscopy. Journal of Biophotonics, 2017, 10, 1171-1179.	2.3	38
14	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
15	Embedding complementary imaging data in laser scanning microscopy micrographs by reversible watermarking. Biomedical Optics Express, 2016, 7, 1127.	2.9	2
16	Combined far-field, near-field and topographic imaging of nano-engineered polyelectrolyte capsules. Materials Letters, 2016, 183, 105-108.	2.6	11
17	Mapping electron-beam-injected trapped charge with scattering scanning near-field optical microscopy. Optics Letters, 2016, 41, 1046.	3.3	7
18	High-resolution quantitative determination of dielectric function by using scattering scanning near-field optical microscopy. Scientific Reports, 2015, 5, 11876.	3.3	28

#	ARTICLE	IF	CITATIONS
19	Electron beam influence on the carbon contamination of electron irradiated hydroxyapatite thin films. Applied Surface Science, 2015, 346, 342-347.	6.1	8
20	Contrast enhancement influences the detection of gradient based local invariant features and the matching of their descriptors. Journal of Visual Communication and Image Representation, 2015, 32, 246-256.	2.8	8
21	A study on the image contrast of pseudo-heterodyned scattering scanning near-field optical microscopy. Optics Express, 2014, 22, 1687.	3.4	17
22	Investigations on organic fluorophore doped silica nanoparticles by apertureless scanning near-field optical microscopy. , 2014, , .		1
23	Hydroxyapatite surface charge investigated by scanning probe microscopy. , 2014, , .		2
24	Surface Charge and Carbon Contamination on an Electron-Beam-Irradiated Hydroxyapatite Thin Film Investigated by Photoluminescence and Phase Imaging in Atomic Force Microscopy. Microscopy and Microanalysis, 2014, 20, 586-595.	0.4	9
25	Nonlinear optical imaging of defects in cubic silicon carbide epilayers. Scientific Reports, 2014, 4, 5258.	3.3	17
26	Investigations at nanoscale by using fluorescence in apertureless scanning near field microscopy. , 2013, , .		1
27	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
28	Metallic samples investigated by using a scattering near field optical microscope. , 2012, , .		1
29	2D infrared self-focusing in bulk photorefractive SBN. Optical Materials Express, 2011, 1, 1178.	3.0	3