

Danielis Rutkauskas

List of Publications by Year in descending order

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29
papers

764
citations

777949

13
h-index

591227

27
g-index

32
all docs

32
docs citations

32
times ranked

660
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualizing hypochlorous acid production by human neutrophils with fluorescent graphene quantum dots. <i>Nanotechnology</i> , 2022, 33, 095101.	1.3	5
2	Quantitative and qualitative analysis of pulmonary arterial hypertension fibrosis using wide-field second harmonic generation microscopy. <i>Scientific Reports</i> , 2022, 12, 7330.	1.6	2
3	Prokaryotic Argonaute from <i>Archaeoglobus fulgidus</i> interacts with DNA as a homodimer. <i>Scientific Reports</i> , 2021, 11, 4518.	1.6	9
4	Coherent anti-stokes Raman scattering spectroscopy (CARS) and imaging of DNA on graphene layers and glass covers. <i>FlatChem</i> , 2021, 27, 100243.	2.8	1
5	Recognition of Spatial Distribution of CNT and Graphene in Hybrid Structure by Mapping with Coherent Anti-Stokes Raman Microscopy. <i>Nanoscale Research Letters</i> , 2020, 15, 37.	3.1	7
6	Macro-, Micro- and Nano-Roughness of Carbon-Based Interface with the Living Cells: Towards a Versatile Bio-Sensing Platform. <i>Sensors</i> , 2020, 20, 5028.	2.1	5
7	Surface-Enhanced Raman Spectroscopy of Organic Molecules and Living Cells with Gold-Plated Black Silicon. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50971-50984.	4.0	14
8	Characterization of thymine microcrystals by CARS and SHG microscopy. <i>Scientific Reports</i> , 2020, 10, 17097.	1.6	5
9	Single-walled carbon nanotubes as a photo-thermo-acoustic cancer theranostic agent: theory and proof of the concept experiment. <i>Scientific Reports</i> , 2020, 10, 22174.	1.6	27
10	Optimization of wide-field second-harmonic generation microscopy for fast imaging of large sample areas in biological tissues. <i>Lithuanian Journal of Physics</i> , 2020, 60, .	0.1	3
11	Investigation by CARS microscopy of squalene and boron nitride as a precursor material for drug delivery carrier. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 380, 111863.	2.0	2
12	Dichotomous disorder model for single light-harvesting complexes. <i>Lithuanian Journal of Physics</i> , 2019, 58, .	0.1	0
13	Structural and Fluorescence Studies of Polycrystalline Al_2O_3 Obtained From Sulfuric Acid Anodic Alumina. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700892.	0.8	11
14	DNA-Endonuclease Complex Dynamics by Simultaneous FRET and Fluorophore Intensity in Evanescent Field. <i>Biophysical Journal</i> , 2017, 112, 850-858.	0.2	14
15	Probing the dynamics of restriction endonuclease NgoMIV-DNA interaction by single-molecule FRET. <i>Biopolymers</i> , 2017, 107, e23075.	1.2	7
16	Influence of the Carotenoid Composition on the Conformational Dynamics of Photosynthetic Light-Harvesting Complexes. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5898-5906.	2.1	13
17	Restriction Enzyme Ecl18kI-Induced DNA Looping Dynamics by Single-Molecule FRET. <i>Journal of Physical Chemistry B</i> , 2014, 118, 8575-8582.	1.2	8
18	Exciton annihilation as a probe of the light-harvesting antenna transition into the photoprotective mode. <i>Chemical Physics</i> , 2012, 404, 123-128.	0.9	24

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19	Tetramer opening in LacI-mediated DNA looping. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16627-16632.	3.3	45
20	Spectral Dynamics of Individual Bacterial Light-Harvesting Complexes: Alternative Disorder Model. Biophysical Journal, 2008, 94, 1348-1358.	0.2	31
21	Protein dynamics revealed in the excitonic spectra of single LH2 complexes. Journal of Luminescence, 2007, 127, 269-275.	1.5	36
22	Multistate conformational model of a single LH2 complex: Quantitative picture of time-dependent spectral fluctuations. Chemical Physics, 2007, 341, 45-56.	0.9	18
23	Dynamics of the Emission Spectrum of a Single LH2 Complex: Interplay of Slow and Fast Nuclear Motions. Biophysical Journal, 2006, 90, 2890-2902.	0.2	94
24	Comparative Study of Spectral Flexibilities of Bacterial Light-Harvesting Complexes: Structural Implications. Biophysical Journal, 2006, 90, 2463-2474.	0.2	28
25	Spectral Trends in the Fluorescence of Single Bacterial Light-Harvesting Complexes: Experiments and Modified Redfield Simulations. Biophysical Journal, 2006, 90, 2475-2485.	0.2	33
26	Conformational Relaxation of Single Bacterial Light-Harvesting Complexes. Biochemistry, 2006, 45, 1082-1086.	1.2	16
27	Fluorescence Spectral Fluctuations of Single LH2 Complexes from Rhodospseudomonas acidophila Strain 10050. Biochemistry, 2004, 43, 4431-4438.	1.2	102
28	Energy Transfer in the Peridinin Chlorophyll-a Protein of Amphidinium carterae Studied by Polarized Transient Absorption and Target Analysis. Biophysical Journal, 2001, 80, 2843-2855.	0.2	113
29	ENERGY TRANSFER IN THE PERIDININ CHLOROPHYLL a PROTEIN OF AMPHIDINIUM CARTERAE STUDIED BY POLARIZED ABSORPTION MEASUREMENTS. International Journal of Modern Physics B, 2001, 15, 3849-3852.	1.0	5