

Olaf J Rolinski

List of Publications by Year in descending order

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30
papers

1,085
citations

687363

13
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

1485
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting beta-amyloid glycation by intrinsic fluorescence - Understanding the link between diabetes and Alzheimer's disease. Archives of Biochemistry and Biophysics, 2021, 704, 108886.	3.0	9
2	Collagen Glycation Detected by Its Intrinsic Fluorescence. Journal of Physical Chemistry B, 2021, 125, 11058-11066.	2.6	10
3	Monitoring the Assembly and Aggregation of Polypeptide Materials by Time-Resolved Emission Spectra. Methods in Molecular Biology, 2021, 2208, 167-177.	0.9	0
4	Protein fibrillogenesis model tracked by its intrinsic time-resolved emission spectra. Methods and Applications in Fluorescence, 2019, 7, 035003.	2.3	2
5	Cu 2+ Effects on Beta-amyloid Oligomerisation Monitored by the Fluorescence of Intrinsic Tyrosine. ChemPhysChem, 2019, 20, 3181-3185.	2.1	7
6	Tracking Insulin Glycation in Real Time by Time-Resolved Emission Spectroscopy. Journal of Physical Chemistry B, 2019, 123, 7812-7817.	2.6	3
7	Probing beta amyloid aggregation using fluorescence anisotropy: experiments and simulation. Physical Chemistry Chemical Physics, 2018, 20, 4216-4225.	2.8	6
8	Tyrosine Rotamer States in Beta Amyloid: Signatures of Aggregation and Fibrillation. ACS Omega, 2018, 3, 16046-16056.	3.5	5
9	Insulin aggregation tracked by its intrinsic TRES. Applied Physics Letters, 2017, 111, 263701.	3.3	5
10	Resolving environmental microheterogeneity and dielectric relaxation in fluorescence kinetics of protein. Methods and Applications in Fluorescence, 2016, 4, 024001.	2.3	5
11	Tyrosine Photophysics During the Early Stages of A β -Amyloid Aggregation Leading to Alzheimer's. Journal of Physical Chemistry Letters, 2015, 6, 3116-3120.	4.6	19
12	Inhibition of beta-amyloid aggregation by fluorescent dye labels. Applied Physics Letters, 2014, 104, .	3.3	16
13	Fluorescence kinetics of tryptophan in a heterogeneous environment. Methods and Applications in Fluorescence, 2014, 2, 045002.	2.3	4
14	Initial stages of beta-amyloid A β ⁴⁰ and A β ⁴² oligomerization observed using fluorescence decay and molecular dynamics analyses of tyrosine. Methods and Applications in Fluorescence, 2013, 1, 015006.	2.3	18
15	CdSe/ZnS core/shell quantum dots as luminescence lifetime sensors for Cu ²⁺ . Measurement Science and Technology, 2012, 23, 055103.	2.6	12
16	Beta-amyloid oligomerisation monitored by intrinsic tyrosine fluorescence. Physical Chemistry Chemical Physics, 2011, 13, 6434.	2.8	42
17	Early detection of amyloid aggregation using intrinsic fluorescence. Biosensors and Bioelectronics, 2010, 25, 2249-2252.	10.1	52
18	Protein fluorescence decay: A gamma function description of thermally induced interconversion of amino acid rotamers. Physical Review E, 2009, 79, 050901.	2.1	6

#	ARTICLE	IF	CITATIONS
19	Optical Spectroscopic Methods for Probing the Conformational Stability of Immobilised Enzymes. <i>ChemPhysChem</i> , 2009, 10, 1492-1499.	2.1	42
20	Human Serum Albumin-flavonoid Interactions Monitored by Means of Tryptophan Kinetics. <i>Annals of the New York Academy of Sciences</i> , 2008, 1130, 314-319.	3.8	24
21	Nonextensive kinetics of fluorescence resonance energy transfer. <i>Journal of Chemical Physics</i> , 2008, 129, 144507.	3.0	10
22	Human serum albumin and quercetin interactions monitored by time-resolved fluorescence: evidence for enhanced discrete rotamer conformations. <i>Journal of Biomedical Optics</i> , 2007, 12, 034013.	2.6	50
23	Fluorescence-based glucose sensors. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2555-2565.	10.1	530
24	Structural information on nanomolecular systems revealed by FRET. <i>Biosensors and Bioelectronics</i> , 2004, 20, 424-430.	10.1	5
25	Structural sensing using fluorescence nanotomography. <i>Journal of Chemical Physics</i> , 2002, 116, 10411-10418.	3.0	11
26	Near-Infrared Fluorescence Lifetime Assay for Serum Glucose Based on Allophycocyanin-Labeled Concanavalin A. <i>Analytical Biochemistry</i> , 2001, 292, 216-221.	2.4	87
27	Fluorescence nanotomography using resonance energy transfer: demonstration with a protein-sugar complex. <i>Physics in Medicine and Biology</i> , 2001, 46, 221-226.	3.0	17
28	Determination of acceptor distribution from fluorescence resonance energy transfer: Theory and simulation. <i>Journal of Chemical Physics</i> , 2000, 112, 8923-8933.	3.0	43
29	A fluorescence lifetime sensor for Cu(I) ions. <i>Measurement Science and Technology</i> , 1999, 10, 127-136.	2.6	29
30	Metal Ion Quenching Kinetics of DTDCI in Viscous Solution and Nafion Membranes: Model System for Near Infrared Fluorescence Sensing. <i>Journal of Biomedical Optics</i> , 1998, 3, 346.	2.6	13