

# Olaf J Rolinski

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Fluorescence-based glucose sensors. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2555-2565.	10.1	530
2	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
3	Early detection of amyloid aggregation using intrinsic fluorescence. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2249-2252.	10.1	52
4	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
5	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
6	Optical Spectroscopic Methods for Probing the Conformational Stability of Immobilised Enzymes. <i>ChemPhysChem</i> , 2009, 10, 1492-1499.	2.1	42
7	Beta-amyloid oligomerisation monitored by intrinsic tyrosine fluorescence. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6434.	2.8	42
8	A fluorescence lifetime sensor for Cu(I) ions. <i>Measurement Science and Technology</i> , 1999, 10, 127-136.	2.6	29
9	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
10	Tyrosine Photophysics During the Early Stages of A $\beta$ -Amyloid Aggregation Leading to Alzheimer's. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3116-3120.	4.6	19
11	Initial stages of beta-amyloid A $\beta$ <sup>40</sup> and A $\beta$ <sup>42</sup> oligomerization observed using fluorescence decay and molecular dynamics analyses of tyrosine. <i>Methods and Applications in Fluorescence</i> , 2013, 1, 015006.	2.3	18
12	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
13	Inhibition of beta-amyloid aggregation by fluorescent dye labels. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	16
14	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
15	CdSe/ZnS core/shell quantum dots as luminescence lifetime sensors for Cu <sup>2+</sup> . <i>Measurement Science and Technology</i> , 2012, 23, 055103.	2.6	12
16	Structural sensing using fluorescence nanotomography. <i>Journal of Chemical Physics</i> , 2002, 116, 10411-10418.	3.0	11
17	Nonextensive kinetics of fluorescence resonance energy transfer. <i>Journal of Chemical Physics</i> , 2008, 129, 144507.	3.0	10
18	Collagen Glycation Detected by Its Intrinsic Fluorescence. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11058-11066.	2.6	10

#	ARTICLE	IF	CITATIONS
19	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
20	Cu 2+ Effects on Beta-amyloid Oligomerisation Monitored by the Fluorescence of Intrinsic Tyrosine. ChemPhysChem, 2019, 20, 3181-3185.	2.1	7
21	Protein fluorescence decay: A gamma function description of thermally induced interconversion of amino acid rotamers. Physical Review E, 2009, 79, 050901.	2.1	6
22	Probing beta amyloid aggregation using fluorescence anisotropy: experiments and simulation. Physical Chemistry Chemical Physics, 2018, 20, 4216-4225.	2.8	6
23	Structural information on nanomolecular systems revealed by FRET. Biosensors and Bioelectronics, 2004, 20, 424-430.	10.1	5
24	Resolving environmental microheterogeneity and dielectric relaxation in fluorescence kinetics of protein. Methods and Applications in Fluorescence, 2016, 4, 024001.	2.3	5
25	Insulin aggregation tracked by its intrinsic TRES. Applied Physics Letters, 2017, 111, 263701.	3.3	5
26	Tyrosine Rotamer States in Beta Amyloid: Signatures of Aggregation and Fibrillation. ACS Omega, 2018, 3, 16046-16056.	3.5	5
27	Fluorescence kinetics of tryptophan in a heterogeneous environment. Methods and Applications in Fluorescence, 2014, 2, 045002.	2.3	4
28	Tracking Insulin Glycation in Real Time by Time-Resolved Emission Spectroscopy. Journal of Physical Chemistry B, 2019, 123, 7812-7817.	2.6	3
29	Protein fibrillogenesis model tracked by its intrinsic time-resolved emission spectra. Methods and Applications in Fluorescence, 2019, 7, 035003.	2.3	2
30	Monitoring the Assembly and Aggregation of Polypeptide Materials by Time-Resolved Emission Spectra. Methods in Molecular Biology, 2021, 2208, 167-177.	0.9	0