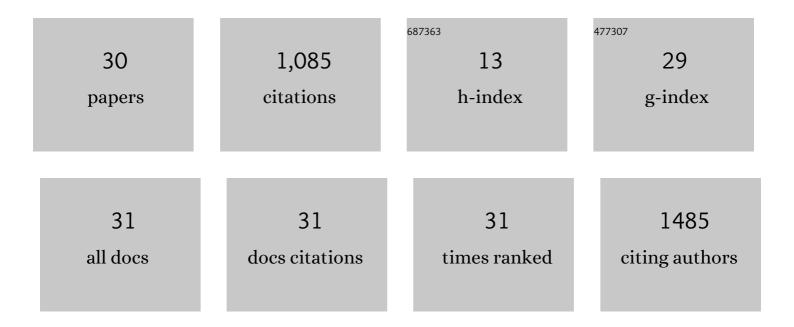
Olaf J Rolinski

List of Publications by Year in descending order

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OLAEL ROLINSKI

#	Article	IF	CITATIONS
1	Fluorescence-based glucose sensors. Biosensors and Bioelectronics, 2005, 20, 2555-2565.	10.1	530
2	Near-Infrared Fluorescence Lifetime Assay for Serum Glucose Based on Allophycocyanin-Labeled Concanavalin A. Analytical Biochemistry, 2001, 292, 216-221.	2.4	87
3	Early detection of amyloid aggregation using intrinsic fluorescence. Biosensors and Bioelectronics, 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. Journal of Biomedical Optics, 2007, 12, 034013.	2.6	50
5	Determination of acceptor distribution from fluorescence resonance energy transfer: Theory and simulation. Journal of Chemical Physics, 2000, 112, 8923-8933.	3.0	43
6	Optical Spectroscopic Methods for Probing the Conformational Stability of Immobilised Enzymes. ChemPhysChem, 2009, 10, 1492-1499.	2.1	42
7	Beta-amyloid oligomerisation monitored by intrinsic tyrosine fluorescence. Physical Chemistry Chemical Physics, 2011, 13, 6434.	2.8	42
8	A fluorescence lifetime sensor for Cu(I) ions. Measurement Science and Technology, 1999, 10, 127-136.	2.6	29
9	<i>Human Serum Albuminâ€flavonoid Interactions Monitored by Means of Tryptophan Kinetics</i> . Annals of the New York Academy of Sciences, 2008, 1130, 314-319.	3.8	24
10	Tyrosine Photophysics During the Early Stages of β-Amyloid Aggregation Leading to Alzheimer's. Journal of Physical Chemistry Letters, 2015, 6, 3116-3120.	4.6	19
11	Initial stages of beta-amyloid Aβ _{1â^'40} and Aβ _{1â^'42} oligomerization observed using fluorescence decay and molecular dynamics analyses of tyrosine. Methods and Applications in Fluorescence, 2013, 1, 015006.	2.3	18
12	Fluorescence nanotomography using resonance energy transfer: demonstration with a protein-sugar complex. Physics in Medicine and Biology, 2001, 46, 221-226.	3.0	17
13	Inhibition of beta-amyloid aggregation by fluorescent dye labels. Applied Physics Letters, 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. Journal of Biomedical Optics, 1998, 3, 346.	2.6	13
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	Structural sensing using fluorescence nanotomography. Journal of Chemical Physics, 2002, 116, 10411-10418.	3.0	11
17	Nonextensive kinetics of fluorescence resonance energy transfer. Journal of Chemical Physics, 2008, 129, 144507.	3.0	10
18	Collagen Glycation Detected by Its Intrinsic Fluorescence. Journal of Physical Chemistry B, 2021, 125, 11058-11066.	2.6	10

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#	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 Betaâ€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