

Frederic Festy

List of Publications by Year in descending order

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45
papers

1,899
citations

236925

25
h-index

254184

43
g-index

49
all docs

49
docs citations

49
times ranked

2892
citing authors

#	ARTICLE	IF	CITATIONS
1	Dentin-cement Interfacial Interaction. <i>Journal of Dental Research</i> , 2012, 91, 454-459.	5.2	241
2	The proteasomal de-ubiquitinating enzyme POH1 promotes the double-strand DNA break response. <i>EMBO Journal</i> , 2012, 31, 3918-3934.	7.8	127
3	Imaging proteins in vivo using fluorescence lifetime microscopy. <i>Molecular BioSystems</i> , 2007, 3, 381.	2.9	124
4	Plasmon resonances on metal tips: Understanding tip-enhanced Raman scattering. <i>Journal of Chemical Physics</i> , 2005, 122, 184716.	3.0	120
5	Present and future of glass-ionomers and calcium-silicate cements as bioactive materials in dentistry: Biophotonics-based interfacial analyses in health and disease. <i>Dental Materials</i> , 2014, 30, 50-61.	3.5	101
6	Tip-enhanced Raman microscopy: practicalities and limitations. <i>Journal of Raman Spectroscopy</i> , 2003, 34, 663-667.	2.5	90
7	Bi-directional cell-pericellular matrix interactions direct stem cell fate. <i>Nature Communications</i> , 2018, 9, 4049.	12.8	90
8	Enamel white spot lesions can remineralise using bio-active glass and polyacrylic acid-modified bio-active glass powders. <i>Journal of Dentistry</i> , 2014, 42, 158-166.	4.1	83
9	Resonant excitation of tip plasmons for tip-enhanced Raman SNOM. <i>Ultramicroscopy</i> , 2004, 100, 437-441.	1.9	64
10	Microbiochemical Analysis of Carious Dentine Using Raman and Fluorescence Spectroscopy. <i>Caries Research</i> , 2012, 46, 432-440.	2.0	64
11	Tip-enhanced fluorescence imaging of quantum dots. <i>Applied Physics Letters</i> , 2005, 87, 183101.	3.3	52
12	The potential of optical proteomic technologies to individualize prognosis and guide rational treatment for cancer patients. <i>Targeted Oncology</i> , 2009, 4, 235-252.	3.6	52
13	Fluorescence lifetime endoscopy using TCSPC for the measurement of FRET in live cells. <i>Optics Express</i> , 2010, 18, 11148.	3.4	51
14	Wide-field time-correlated single-photon counting (TCSPC) lifetime microscopy with microsecond time resolution. <i>Optics Letters</i> , 2014, 39, 5602.	3.3	50
15	Kinetics of functionalised carbon nanotube distribution in mouse brain after systemic injection: Spatial to ultra-structural analyses. <i>Journal of Controlled Release</i> , 2016, 224, 22-32.	9.9	48
16	Synthesis of double-clickable functionalised graphene oxide for biological applications. <i>Chemical Communications</i> , 2015, 51, 14981-14984.	4.1	43
17	Integrin-Mediated Macrophage Adhesion Promotes Lymphovascular Dissemination in Breast Cancer. <i>Cell Reports</i> , 2019, 27, 1967-1978.e4.	6.4	39
18	Surface pre-conditioning with bioactive glass air-abrasion can enhance enamel white spot lesion remineralization. <i>Dental Materials</i> , 2015, 31, 522-533.	3.5	37

#	ARTICLE	IF	CITATIONS
19	Scanning probe energy loss spectroscopy: Angular resolved measurements on silicon and graphite surfaces. <i>Applied Physics Letters</i> , 2000, 77, 4223-4225.	3.3	36
20	Solvent-Free Click-Mechanochemistry for the Preparation of Cancer Cell Targeting Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18920-18923.	8.0	35
21	In-vitro subsurface remineralisation of artificial enamel white spot lesions pre-treated with chitosan. <i>Dental Materials</i> , 2018, 34, 1154-1167.	3.5	32
22	3D quantification of mandibular asymmetry using the SPHARM-PDM tool box. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2012, 7, 265-271.	2.8	27
23	Scanning probe energy loss spectroscopy. <i>Surface Science</i> , 2002, 502-503, 224-231.	1.9	26
24	Calcium silicate cement-induced remineralisation of totally demineralised dentine in comparison with glass ionomer cement: tetracycline labelling and two-photon fluorescence microscopy. <i>Journal of Microscopy</i> , 2015, 257, 151-160.	1.8	26
25	Scanning probe energy loss spectroscopy below 50nm resolution. <i>Applied Physics Letters</i> , 2004, 85, 5034-5036.	3.3	24
26	A confocal microendoscopic investigation of the relationship between the microhardness of carious dentine and its autofluorescence. <i>European Journal of Oral Sciences</i> , 2010, 118, 75-79.	1.5	23
27	An MMP-inhibitor modified adhesive primer enhances bond durability to carious dentin. <i>Dental Materials</i> , 2015, 31, 594-602.	3.5	22
28	Imaging surfaces with reflected electrons from a field emission scanning tunnelling microscope: image contrast mechanisms. <i>Journal Physics D: Applied Physics</i> , 2001, 34, 1849-1852.	2.8	15
29	Spectral Interferometric Implementation with Passive Polarization Optics of Coherent Anti-Stokes Raman Scattering. <i>Physical Review Letters</i> , 2013, 111, 103902.	7.8	15
30	Multimodal optical characterisation of collagen photodegradation by femtosecond infrared laser ablation. <i>Analyst</i> , The, 2014, 139, 6135-6143.	3.5	15
31	Optical coherence tomography use in the diagnosis of enamel defects. <i>Journal of Biomedical Optics</i> , 2016, 21, 036004.	2.6	15
32	Apoptin interacts with and regulates the activity of protein kinase C beta in cancer cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 831-842.	4.9	12
33	Quantitative Swept-Source Optical Coherence Tomography of Early Enamel Erosion in vivo. <i>Caries Research</i> , 2017, 51, 410-418.	2.0	12
34	Production of Water-Soluble Few-Layer Graphene Mesosheets by Dry Milling with Hydrophobic Drug. <i>Langmuir</i> , 2014, 30, 14999-15008.	3.5	10
35	Imaging tumour heterogeneity of the consequences of a PKC substrate interaction in breast cancer patients. <i>Biochemical Society Transactions</i> , 2014, 42, 1498-1505.	3.4	10
36	Effect of the surface water layer on the optical signal in apertureless scanning near field optical microscopy. <i>Nanotechnology</i> , 2007, 18, 015501.	2.6	9

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37	Plasmonic Enhancement of Fluorescence and Raman Scattering by Metal Nanotips. Nanobiotechnology, 2007, 3, 203-211.	1.2	7
38	<i>In vitro</i> Remineralization of Caries-affected Dentin after Selective Carious Tissue Removal. World Journal of Dentistry, 2018, 9, 170-179.	0.3	7
39	Selective toxicity of functionalised graphene oxide to patients-derived glioblastoma stem cells and minimal toxicity to non-cancerous brain tissue cells. 2D Materials, 2020, 7, 045002.	4.4	3
40	Towards high-throughput FLIM for protein-protein interaction screening of live cells and tissue microarrays. , 2008, , .		2
41	The use of a custom made atlas as a template for corrective surgeries of asymmetric patients. , 2012, , .		2
42	Fluorescence enhancement and energy transfer near a metal tip. , 2006, , .		0
43	Interferometric Coherent Raman Micro-Spectroscopy with a Low Coherence Supercontinuum Source. , 2010, , .		0
44	Broadband coherent Raman imaging for multiplexed detection. , 2011, , .		0
45	Hyperspectral imaging via spectral interferometric polarised coherent anti-Stokes Raman scattering. Proceedings of SPIE, 2014, , .	0.8	0