

Quentin S Hanley

List of Publications by Year in descending order

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67
papers

2,104
citations

279798

23
h-index

233421

45
g-index

71
all docs

71
docs citations

71
times ranked

1812
citing authors

#	ARTICLE	IF	CITATIONS
1	Population density and spreading of COVID-19 in England and Wales. PLoS ONE, 2022, 17, e0261725.	2.5	8
2	Compound specific isotope analysis (CSIA) of phthalates and non-targeted isotope analysis (NTIA) of SPE-extractable organic carbon in dilute aquatic environments. Environmental Advances, 2021, 4, 100050.	4.8	5
3	City size and the spreading of COVID-19 in Brazil. PLoS ONE, 2020, 15, e0239699.	2.5	83
4	Rural–urban scaling of age, mortality, crime and property reveals a loss of expected self-similar behaviour. Scientific Reports, 2020, 10, 16863.	3.3	6
5	Statistical models for identifying frequent hitters in high throughput screening. Scientific Reports, 2020, 10, 17200.	3.3	5
6	Platform for Screening Abiotic/Biotic Interactions Using Indicator Displacement Assays. Langmuir, 2019, 35, 14230-14237.	3.5	3
7	The Distribution of Standard Deviations Applied to High Throughput Screening. Scientific Reports, 2019, 9, 1268.	3.3	8
8	The hidden traits of endemic illiteracy in cities. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 566-574.	2.6	5
9	Unveiling relationships between crime and property in England and Wales via density scale-adjusted metrics and network tools. PLoS ONE, 2018, 13, e0192931.	2.5	10
10	Fluctuation Scaling, Calibration of Dispersion, and Detection of Differences. Analytical Chemistry, 2017, 89, 11568-11575.	6.5	1
11	Chemical Measurement and Fluctuation Scaling. Analytical Chemistry, 2016, 88, 12036-12042.	6.5	3
12	When $\langle R \rangle \gg 0.8 \langle R \rangle_{sub>0</sub>}$: fluorescence anisotropy, non-additive intensity, and cluster size. Methods and Applications in Fluorescence, 2016, 4, 024006.	2.3	2
13	The nature of the silicaphilic fluorescence of PDMPO. Physical Chemistry Chemical Physics, 2016, 18, 5938-5948.	2.8	11
14	Rural to Urban Population Density Scaling of Crime and Property Transactions in English and Welsh Parliamentary Constituencies. PLoS ONE, 2016, 11, e0149546.	2.5	27
15	Controlled Assembly of SNAP–PNA–Fluorophore Systems on DNA Templates To Produce Fluorescence Resonance Energy Transfer. Bioconjugate Chemistry, 2014, 25, 1820-1828.	3.6	8
16	When One Plus One Does Not Equal Two: Fluorescence Anisotropy in Aggregates and Multiply Labeled Proteins. Biophysical Journal, 2014, 106, 1457-1466.	0.5	29
17	Enhancement, Equal Fluorescence Efficiency, and Quenching in the Interpretation of Fluorescence Anisotropy Data. Biophysical Journal, 2014, 106, 680a.	0.5	0
18	Fluctuation Scaling, Taylor’s Law, and Crime. PLoS ONE, 2014, 9, e109004.	2.5	25

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19	Fluorescence Anisotropy in a Protein: DNA System Undergoing Inducible Assembly. <i>Biophysical Journal</i> , 2013, 104, 394a-395a.	0.5	0
20	PNA-Induced Assembly of Fluorescent Proteins Using DNA as a Framework. <i>Bioconjugate Chemistry</i> , 2013, 24, 1378-1386.	3.6	15
21	Fourier Transforms Simplified: Computing an Infrared Spectrum from an Interferogram. <i>Journal of Chemical Education</i> , 2012, 89, 391-396.	2.3	3
22	Analysis of layered assays and volume microarrays in stratified media. <i>Analyst, The</i> , 2012, 137, 5520.	3.5	4
23	Macromolecular binding and kinetic analysis with optically sectioned planar format assays. <i>Analyst, The</i> , 2012, 137, 4809.	3.5	3
24	Kinetic Analysis and Binding Studies of Proteins Bound to Planar Surfaces with CLSM. <i>Biophysical Journal</i> , 2012, 102, 197a.	0.5	0
25	Lanthanide doped silica nanoparticles applied to multiplexed immunoassays. <i>Analyst, The</i> , 2010, 135, 2132.	3.5	24
26	Chapter 2 Frequency domain FLIM theory, instrumentation, and data analysis. <i>Laboratory Techniques in Biochemistry and Molecular Biology / Edited By T S Work [and] E Work</i> , 2009, 33, 59-94.	0.2	7
27	Confocal detection of planar homogeneous and heterogeneous immunosorbent assays. <i>Journal of Biomedical Optics</i> , 2009, 14, 064022.	2.6	4
28	Imaging lifetime and anisotropy spectra in the frequency domain. <i>Journal of Microscopy</i> , 2009, 234, 80-88.	1.8	12
29	Spectrally resolved fluorescent lifetime imaging. <i>Journal of the Royal Society Interface</i> , 2009, 6, .	3.4	17
30	Quantitative Imaging in the Laboratory: Fast Kinetics and Fluorescence Quenching. <i>Journal of Chemical Education</i> , 2007, 84, 1319.	2.3	12
31	Spectrally Resolved Frequency Domain Analysis of Multi-Fluorophore Systems Undergoing Energy Transfer. <i>Applied Spectroscopy</i> , 2006, 60, 1442-1452.	2.2	20
32	Microspectroscopic fluorescence analysis with prism-based imaging spectrometers: Review and current studies. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006, 69A, 759-766.	1.5	15
33	AB-plot assisted determination of fluorophore mixtures in a fluorescence lifetime microscope using spectra or quenchers. <i>Journal of Microscopy</i> , 2005, 218, 62-67.	1.8	65
34	Selective photoreactions in a programmable array microscope (PAM): Photoinitiated polymerization, photodecaging, and photochromic conversion. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2005, 67A, 68-75.	1.5	18
35	Fluorescence lifetime imaging in an optically sectioning programmable array microscope (PAM). <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2005, 67A, 112-118.	1.5	21
36	Advances in array detectors for X-ray diffraction techniques. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 618-625.	2.4	4

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37	Following FRET through five energy transfer steps: spectroscopic photobleaching, recovery of spectra, and a sequential mechanism of FRET. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 609.	2.9	16
38	An Internal Standardization Procedure for Spectrally Resolved Fluorescence Lifetime Imaging. <i>Applied Spectroscopy</i> , 2005, 59, 261-266.	2.2	8
39	Graphical representation and multicomponent analysis of single-frequency fluorescence lifetime imaging microscopy data. <i>Journal of Microscopy</i> , 2004, 213, 1-5.	1.8	213
40	Resolution enhancement by subtraction of confocal signals taken at different pinhole sizes. <i>Micron</i> , 2003, 34, 293-300.	2.2	85
41	Fluorescence Spectroscopy, Imaging and Probes: New Tools in Chemical Physical, and Life Sciences. <i>Journal of Microscopy</i> , 2003, 212, 212-213.	1.8	1
42	Virtual Column Method for Correcting Masking Effects in Hadamard Transform Systems. <i>Applied Spectroscopy</i> , 2003, 57, 1305-1312.	2.2	1
43	[6] Photophysics of green and red fluorescent proteins: Implications for quantitative microscopy. <i>Methods in Enzymology</i> , 2003, 360, 178-201.	1.0	30
44	Spectrally Resolved Fluorescence Lifetime Imaging Microscopy. <i>Applied Spectroscopy</i> , 2002, 56, 155-166.	2.2	80
45	Dynamic Fluorescence Anisotropy Imaging Microscopy in the Frequency Domain (rFLIM). <i>Biophysical Journal</i> , 2002, 83, 1631-1649.	0.5	201
46	A dual path programmable array microscope (PAM): simultaneous acquisition of conjugate and non-conjugate images. <i>Journal of Microscopy</i> , 2002, 204, 119-135.	1.8	62
47	Masking, Photobleaching, and Spreading Effects in Hadamard Transform Imaging and Spectroscopy Systems. <i>Applied Spectroscopy</i> , 2001, 55, 318-330.	2.2	21
48	Highly Multiplexed Optically Sectioned Spectroscopic Imaging in a Programmable Array Microscope. <i>Applied Spectroscopy</i> , 2001, 55, 1115-1123.	2.2	11
49	Programmable Array Microscopes. <i>Microscopy Today</i> , 2001, 9, 8-13.	0.3	1
50	Fluorescence lifetime imaging: multi-point calibration, minimum resolvable differences, and artifact suppression. <i>Cytometry</i> , 2001, 43, 248-260.	1.8	112
51	Three-dimensional spectral imaging by Hadamard transform spectroscopy in a programmable array microscope. <i>Journal of Microscopy</i> , 2000, 197, 5-14.	1.8	33
52	An optical sectioning programmable array microscope implemented with a digital micromirror device. <i>Journal of Microscopy</i> , 1999, 196, 317-331.	1.8	113
53	Spectral Imaging in a Programmable Array Microscope by Hadamard Transform Fluorescence Spectroscopy. <i>Applied Spectroscopy</i> , 1999, 53, 1-10.	2.2	58
54	Theory of confocal fluorescence imaging in the programmable array microscope (PAM). <i>Journal of Microscopy</i> , 1998, 189, 192-198.	1.8	88

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55	Optical Sectioning Fluorescence Spectroscopy in a Programmable Array Microscope. <i>Applied Spectroscopy</i> , 1998, 52, 783-789.	2.2	51
56	Application of Energy-Resolved Measurements to Laue Diffraction: Determination of Unit-Cell Parameters, Deconvolution of Harmonics and Assignment of Systematic Absences. <i>Journal of Synchrotron Radiation</i> , 1997, 4, 214-222.	2.4	4
57	Peer Reviewed: Charge-Transfer Devices in Analytical Instrumentation. <i>Analytical Chemistry</i> , 1996, 68, 661A-667A.	6.5	48
58	A Foil-Mask Spectrometer for Laue Pattern Imaging: Simultaneous Position, Intensity and Energy. <i>Journal of Synchrotron Radiation</i> , 1996, 3, 101-111.	2.4	1
59	Evaluation of Charge-Injection Devices for Use in Laue Diffraction Imaging. <i>Journal of Synchrotron Radiation</i> , 1995, 2, 215-228.	2.4	1
60	Effects of Sulfur Dioxide Exposure on African-American and Caucasian Asthmatics. <i>Environmental Research</i> , 1994, 66, 1-11.	7.5	11
61	The effects of ozone exposure on lactate dehydrogenase release from human and primate respiratory epithelial cells. <i>Toxicology Letters</i> , 1994, 70, 203-209.	0.8	20
62	Pulmonary Function Changes in Children Associated with Fine Particulate Matter. <i>Environmental Research</i> , 1993, 63, 26-38.	7.5	165
63	Response of Young Asthmatic Patients to Inhaled Sulfuric Acid. <i>The American Review of Respiratory Disease</i> , 1992, 145, 326-331.	2.9	33
64	Trace nitrate in oxic waters. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1992, 39, 1329-1347.	1.5	26
65	Acute Pulmonary Effects of Nitrogen Dioxide Exposure During Exercise in Competitive Athletes. <i>Chest</i> , 1991, 99, 815-819.	0.8	11
66	Prior Exposure to Ozone Potentiates Subsequent Response to Sulfur Dioxide in Adolescent Asthmatic Subjects. <i>The American Review of Respiratory Disease</i> , 1990, 141, 377-380.	2.9	103
67	Effects of Theophylline on Sulfur Dioxide-Induced Bronchoconstriction in Asthmatic Subjects. <i>Pediatric Asthma, Allergy and Immunology</i> , 1989, 3, 147-155.	0.2	3