Matthew L Clarke

List of Publications by Year
in descending order

34	1,301	394421	434195
papers	citations	19	31
		h-index	g-index

34	34	34	1228
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Imaging spectroscopies to characterize a 13th century Japanese handscroll, The Miraculous Interventions of JizÅ•Bosatsu. Heritage Science, 2021, 9, .	2.3	9
2	Linnaeus Tripe and Lightly Albumenized Prints in the 1850s: Characterization, Analysis and Process Identification. Journal of the American Institute for Conservation, 2020, 59, 218-234.	0.5	2
3	Exploring the transition from natural to synthetic dyes in the production of 19th-century Central Asian ikat textiles. Heritage Science, 2020, 8, .	2.3	30
4	AN INVESTIGATION INTO JAPINE PLATINUM PHOTOGRAPHS: WILLIAM WILLIS'S PROPRIETARY PAPER. Journal of the American Institute for Conservation, 2015, 54, 213-223.	0.5	1
5	Unraveling the modified surface of the photographic paper â€œJapineâ€• Analytical Methods, 2014, 6, 147-155.	2.7	4
6	Quantitative scheme for full-field polarization rotating fluorescence microscopy using a liquid crystal variable retarder. Review of Scientific Instruments, 2012, 83, 053705.	1.3	8
7	Designing microarray phantoms for hyperspectral imaging validation. Biomedical Optics Express, 2012, 3, 1291.	2.9	6
8	Algorithm validation using multicolor phantoms. Biomedical Optics Express, 2012, 3, 1300.	2.9	8
9	Multimodal optical studies of single and clustered colloidal quantum dots for the long-term optical property evaluation of quantum dot-based molecular imaging phantoms. Biomedical Optics Express, 2012, 3, 1312.	2.9	17
10	Absorption-Based Hyperspectral Imaging and Analysis of Single Erythrocytes. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1130-1139.	2.9	30
11	A Sum Frequency Generation Vibrational Study of the Interference Effect in Poly(n-butyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 115, 13759-13767.	3.1	59
12	Characterization of hyperspectral imaging and analysis via microarray printing of dyes. , 2011, , .		5
13	Lowâ€cost, highâ€throughput, automated counting of bacterial colonies. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 790-797.	1.5	91
14	Monitoring Photothermally Excited Nanoparticles via Multimodal Microscopy. Journal of Physical Chemistry Letters, 2010, 1, 1743-1748.	4.6	10
15	Structural Analysis of Soft Multicomponent Nanoparticle Clusters. ACS Nano, 2010, 4, 6982-6988.	14.6	14
16	Effects of Plasmon-Exciton Coupling on the Optical Properties of CdSe/Zns Quantum Dots Coupled to Gold Nanoparticles. Materials Research Society Symposia Proceedings, 2009, 1208, 1.	0.1	0
17	Quantitative characterization of quantum dotâ€labeled lambda phage for Escherichia coli detection. Biotechnology and Bioengineering, 2009, 104, 1059-1067.	3.3	44
18	Waterâ€Soluble DNAâ€Wrapped Singleâ€Walled Carbonâ€Nanotube/Quantumâ€Dot Complexes. Small, 2009, 5, 2149-2155.	10.0	38

#	Article	IF	Citations
19	Multimodal, Nanoscale, Hyperspectral Imaging Demonstrated on Heterostructures of Quantum Dots and DNA-Wrapped Single-Wall Carbon Nanotubes. ACS Nano, 2009, 3, 3769-3775.	14.6	10
20	Probing the dynamic fluorescence properties of single water-soluble quantum dots. Optics Communications, 2008, 281, 1781-1788.	2.1	14
21	Thermal properties of gold nanoshells in lipid vesicles studied by single particle tracking measurements. , 2008, , .		2
22	Deduction of Structural Information of Interfacial Proteins by Combined Vibrational Spectroscopic Methods. Journal of Physical Chemistry B, 2007, 111, 6088-6095.	2.6	49
23	Polymer Surface Reorientation after Protein Adsorption. Langmuir, 2006, 22, 8627-8630.	3.5	22
24	Vibrational Spectroscopic Studies on Fibrinogen Adsorption at Polystyrene/Protein Solution Interfaces:Â Hydrophobic Side Chain and Secondary Structure Changes. Journal of Physical Chemistry B, 2006, 110, 5017-5024.	2.6	75
25	Molecular Level Structures of Poly(n-alkyl methacrylate)s with Different Side Chain Lengths at the Polymer/Air and Polymer/Water Interfaces. Langmuir, 2006, 22, 8800-8806.	3.5	46
26	Molecular studies on protein conformations at polymer/liquid interfaces using sum frequency generation vibrational spectroscopy. Surface Science, 2005, 587, 1-11.	1.9	53
27	Detection of chiral sum frequency generation vibrational spectra of proteins and peptides at interfaces in situ. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4978-4983.	7.1	180
28	Comparison of surface structures of poly(ethyl methacrylate) and poly(ethyl acrylate) in different chemical environments. Physical Chemistry Chemical Physics, 2005, 7, 2357.	2.8	38
29	Conformational Changes of Fibrinogen after Adsorption. Journal of Physical Chemistry B, 2005, 109, 22027-22035.	2.6	124
30	SUM FREQUENCY GENERATION VIBRATIONAL SPECTROSCOPY STUDIES ON MOLECULAR CONFORMATION AND ORIENTATION OF BIOLOGICAL MOLECULES AT INTERFACES. International Journal of Modern Physics B, 2005, 19, 691-713.	2.0	139
31	Sum Frequency Generation Vibrational Spectroscopy Studies of Protein Adsorption on Oxide-Covered Ti Surfaces. Journal of Physical Chemistry B, 2004, 108, 7779-7787.	2.6	37
32	Polarization Mapping:Â A Method To Improve Sum Frequency Generation Spectral Analysis. Analytical Chemistry, 2004, 76, 2159-2167.	6.5	52
33	Sum Frequency Generation Studies on the Surface Structures of Plasticized and Unplasticized Polyurethane in Air and in Water. Analytical Chemistry, 2003, 75, 3275-3280.	6.5	41
34	Using Isotope-Labeled Proteins and Sum Frequency Generation Vibrational Spectroscopy to Study Protein Adsorption. Langmuir, 2003, 19, 7862-7866.	3.5	43