

Andrea E Holmes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3814453/publications.pdf>

Version: 2024-02-01

29
papers

608
citations

933447

10
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

958
citing authors

#	ARTICLE	IF	CITATIONS
1	Facilitating an International Research Experience Focused on Applied Nanotechnology and Surface Chemistry for American Undergraduate Students Collaborating with Mentors at a German Educational and Research Institution. <i>Journal of Chemical Education</i> , 2019, 96, 2441-2449.	2.3	5
2	Live Cell Analysis of Shear Stress on <i>Pseudomonas aeruginosa</i> Using an Automated Higher-Throughput Microfluidic System. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	3
3	Comparative chemometric analysis for classification of acids and bases via a colorimetric sensor array. <i>Journal of Chemometrics</i> , 2018, 32, e2961.	1.3	16
4	The Identification of Seven Chemical Warfare Mimics Using a Colorimetric Array. <i>Sensors</i> , 2018, 18, 4291.	3.8	13
5	An Improved Comparison of Chemometric Analyses for the Identification of Acids and Bases With Colorimetric Sensor Arrays. <i>International Journal of Chemistry</i> , 2018, 10, 36.	0.3	9
6	Using Fluorescence Intensity of Enhanced Green Fluorescent Protein to Quantify <i>Pseudomonas aeruginosa</i> . <i>Chemosensors</i> , 2018, 6, 21.	3.6	13
7	Printed Colorimetric Arrays for the Identification and Quantification of Acids and Bases. <i>Analytical Chemistry</i> , 2018, 90, 9990-9996.	6.5	11
8	General Advantages and Disadvantages of the NIK Narcotic Test. <i>Journal of Forensic Sciences & Criminal Investigation</i> , 2018, 8, .	0.2	1
9	The Quantitative Assessment of (PA)14 Biofilm Surface Coverage on Slippery Liquid Infused Polymer Surfaces (SLIPS). <i>International Journal of Nanotechnology in Medicine & Engineering</i> , 2018, 3, 35-42.	0.1	2
10	Clickable Antifouling Polymer Brushes for Polymer Pen Lithography. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12109-12117.	8.0	33
11	Colorimetric Sensor Arrays for the Detection and Identification of Chemical Weapons and Explosives. <i>Critical Reviews in Analytical Chemistry</i> , 2017, 47, 138-153.	3.5	162
12	A Low-Cost Imaging Method for the Temporal and Spatial Colorimetric Detection of Free Amines on Maize Root Surfaces. <i>Frontiers in Plant Science</i> , 2017, 8, 1513.	3.6	12
13	Growth Rate of <i>Pseudomonas aeruginosa</i> Biofilms on Slippery Butyl Methacrylate-Co-Ethylene Dimethacrylate (BMA-EDMA), Glass and Polycarbonate Surfaces. <i>Journal of Biotechnology & Biomaterials</i> , 2017, 07, .	0.3	13
14	Quantitative and Qualitative Assessment Methods for Biofilm Growth: A Mini-review. <i>Research and Reviews: Journal of Engineering and Technology</i> , 2017, 6, .	2.0	55
15	Applied Circular Dichroism: A Facile Spectroscopic Tool for Configurational Assignment and Determination of Enantiopurity. <i>Journal of Analytical Methods in Chemistry</i> , 2015, 2015, 1-6.	1.6	17
16	Reactive Arrays of Colorimetric Sensors for Metabolite and Steroid Identification. <i>Journal of Sensor Technology</i> , 2014, 04, 1-6.	1.0	7
17	Intermolecular Interactions between Eosin Y and Caffeine Using ¹ H-NMR Spectroscopy. <i>International Journal of Spectroscopy</i> , 2013, 2013, 1-6.	1.6	10
18	Synthesis of a Fluorophore with Improved Optical Brightness. <i>International Journal of Organic Chemistry</i> , 2013, 03, 256-261.	0.7	3

#	ARTICLE	IF	CITATIONS
19	Detecting Concentration of Analytes with DETECHIP: A Molecular Sensing Array. Journal of Sensor Technology, 2013, 03, 94-99.	1.0	8
20	Digital Image Analysis for Detechip Code Determination. Signal and Image Processing: an International Journal, 2012, 3, 51-63.	0.3	7
21	Sulfonated Ni(II)porphyrin improves the detection of Z-DNA in condensed and non-condensed BZB DNA sequences. Journal of Inorganic Biochemistry, 2012, 110, 18-20.	3.5	9
22	Image Analysis of DETECHIP® – A Molecular Sensing Array. Advances in Intelligent and Soft Computing, 2012, , 145-158.	0.2	4
23	Improved image analysis of DETECHIP allows for increased specificity in drug discrimination. Journal of Forensics Research, 2012, 3, 161.	0.1	3
24	Enantiodiscrimination of methamphetamine by circular dichroism using a porphyrin tweezer. Chirality, 2010, 22, 398-402.	2.6	9
25	DETECHIP [®] : A Sensor for Drugs of Abuse*. Journal of Forensic Sciences, 2010, 55, 723-727.	1.6	25
26	Chelation-Enhanced Circular Dichroism of Tripodal Bisporphyrin Ligands. Journal of the American Chemical Society, 2007, 129, 1506-1507.	13.7	87
27	Stereodynamic Coordination Complexes. Dependence of Exciton Coupled Circular Dichroism Spectra on Molecular Conformation and Shape. Monatshefte für Chemie, 2005, 136, 461-475.	1.8	22
28	Synthesis and circular dichroism studies of N,N-bis(2-quinolylmethyl)amino acid Cu(II) complexes: Determination of absolute configuration and enantiomeric excess by the exciton coupling method. Chirality, 2002, 14, 471-477.	2.6	49
29	DETECHIP [®] : Molecular Sensing Device Development. , 0, , 1-4.		0