

# Andrea E Holmes

## List of Publications by Year in descending order

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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	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
2	Chelation-Enhanced Circular Dichroism of Tripodal Bisporphyrin Ligands. <i>Journal of the American Chemical Society</i> , 2007, 129, 1506-1507.	13.7	87
3	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
4	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. <i>Chirality</i> , 2002, 14, 471-477.	2.6	49
5	Clickable Antifouling Polymer Brushes for Polymer Pen Lithography. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 12109-12117.	8.0	33
6	DETECHIP <sup>®</sup> : A Sensor for Drugs of Abuse*. <i>Journal of Forensic Sciences</i> , 2010, 55, 723-727.	1.6	25
7	Stereodynamic Coordination Complexes. Dependence of Exciton Coupled Circular Dichroism Spectra on Molecular Conformation and Shape. <i>Monatshefte für Chemie</i> , 2005, 136, 461-475.	1.8	22
8	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
9	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
10	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 &amp; Biomaterials</i> , 2017, 07, .	0.3	13
11	The Identification of Seven Chemical Warfare Mimics Using a Colorimetric Array. <i>Sensors</i> , 2018, 18, 4291.	3.8	13
12	Using Fluorescence Intensity of Enhanced Green Fluorescent Protein to Quantify <i>Pseudomonas aeruginosa</i> . <i>Chemosensors</i> , 2018, 6, 21.	3.6	13
13	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
14	Printed Colorimetric Arrays for the Identification and Quantification of Acids and Bases. <i>Analytical Chemistry</i> , 2018, 90, 9990-9996.	6.5	11
15	Intermolecular Interactions between Eosin Y and Caffeine Using <sup>1</sup> H-NMR Spectroscopy. <i>International Journal of Spectroscopy</i> , 2013, 2013, 1-6.	1.6	10
16	Enantiodiscrimination of methamphetamine by circular dichroism using a porphyrin tweezer. <i>Chirality</i> , 2010, 22, 398-402.	2.6	9
17	Sulfonated Ni(II)porphyrin improves the detection of Z-DNA in condensed and non-condensed BZB DNA sequences. <i>Journal of Inorganic Biochemistry</i> , 2012, 110, 18-20.	3.5	9
18	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

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19	Detecting Concentration of Analytes with DETECHIP: A Molecular Sensing Array. <i>Journal of Sensor Technology</i> , 2013, 03, 94-99.	1.0	8
20	Digital Image Analysis for Detechip Code Determination. <i>Signal and Image Processing: an International Journal</i> , 2012, 3, 51-63.	0.3	7
21	Reactive Arrays of Colorimetric Sensors for Metabolite and Steroid Identification. <i>Journal of Sensor Technology</i> , 2014, 04, 1-6.	1.0	7
22	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
23	Image Analysis of DETECHIP® – A Molecular Sensing Array. <i>Advances in Intelligent and Soft Computing</i> , 2012, , 145-158.	0.2	4
24	Synthesis of a Fluorophore with Improved Optical Brightness. <i>International Journal of Organic Chemistry</i> , 2013, 03, 256-261.	0.7	3
25	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
26	Improved image analysis of DETECHIP allows for increased specificity in drug discrimination. <i>Journal of Forensics Research</i> , 2012, 3, 161.	0.1	3
27	The Quantitative Assessment of (PA)14 Biofilm Surface Coverage on Slippery Liquid Infused Polymer Surfaces (SLIPS). <i>International Journal of Nanotechnology in Medicine &amp; Engineering</i> , 2018, 3, 35-42.	0.1	2
28	General Advantages and Disadvantages of the NIK Narcotic Test. <i>Journal of Forensic Sciences &amp; Criminal Investigation</i> , 2018, 8, .	0.2	1
29	DETECHIP®: Molecular Sensing Device Development. , 0, , 1-4.		0