

Kevin J Major

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

249
citations

1478505

6
h-index

1058476

14
g-index

25
all docs

25
docs citations

25
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in the Synthesis of Plasmonic Bimetallic Nanoparticles. <i>Plasmonics</i> , 2009, 4, 61-78.	3.4	139
2	Characterizing the Influence of TOPO on Exciton Recombination Dynamics in Colloidal CdSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4227-4237.	3.1	44
3	Comparative Discrimination Spectral Detection Method for the Identification of Vapors Using Overlapping Broad Spectral Filters. <i>Applied Spectroscopy</i> , 2015, 69, 305-313.	2.2	13
4	Optical Filter Selection for High Confidence Discrimination of Strongly Overlapping Infrared Chemical Spectra. <i>Analytical Chemistry</i> , 2015, 87, 8798-8808.	6.5	13
5	Biomimetic Optical-Filter Detection System for Discrimination of Infrared Chemical Signatures. <i>Analytical Chemistry</i> , 2016, 88, 11491-11497.	6.5	10
6	Surface transmission enhancement of ZnS via continuous-wave laser microstructuring. <i>Proceedings of SPIE</i> , 2014, , .	0.8	7
7	Filter-based chemical sensors for hazardous materials. , 2014, , .		4
8	Discrimination Between Explosive Materials and Isomers Using a Human Color Vision-Inspired Sensing Method. <i>Applied Spectroscopy</i> , 2019, 73, 520-528.	2.2	3
9	Filter selection criteria for the discrimination of strongly overlapping chemical spectra. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
10	Evaluation of a biomimetic optical-filter based chemical sensor for detection of hazardous chemical vapors in the infrared. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
11	Infrared Reflectance Spectroscopic Evaluation of Inkjet Printed Standards of Cyclotrimethylenetrinitramine (RDX) on Aluminum Substrates. <i>Applied Spectroscopy</i> , 2019, 73, 214-220.	2.2	2
12	Behavior of the Reststrahlen Band in the 17-25 μm Spectral Region in the Diffuse Reflection Spectra of Sand and Silt Mixtures. <i>Applied Spectroscopy</i> , 2020, 74, 334-339.	2.2	2
13	Analytical procedure to assess the performance characteristics of a non-spectroscopic infrared optical sensor for discrimination of chemical vapors. <i>Applied Optics</i> , 2018, 57, 8903.	1.8	2
14	High-confidence discrimination of explosive materials on surfaces using a non-spectroscopic optical biomimetic sensing method. , 2018, , .		2
15	Modulation of CdSe fluorescence using palladium nanoparticles. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
16	Demonstration of a Human Color Vision Mimic in the Infrared. <i>Analytical Chemistry</i> , 2019, 91, 14058-14065.	6.5	1
17	Enabling standoff detection of hazardous materials using a fiber optic coupled quantum cascade infrared laser system. , 2018, , .		1
18	A biomimetic optical approach to skin cancer detection. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	Chalcogenide Based Active and Passive Devices for Mid-IR Applications. , 2018, , .		0
20	Experimental design for collection and analysis of laboratory passive infrared vapor spectra. Applied Optics, 2021, 60, 2657.	1.8	0
21	EXPRESS: Spectral Considerations for Standoff Infrared Detection of RDX on Reflective Aluminum. Applied Spectroscopy, 2021, , 000370282110538.	2.2	0
22	Analyte detection in complex samples using a biomimetic, non-spectroscopic sensing method. , 2017, , .		0
23	Experimental considerations for the proximate standoff detection of highly scattering hazardous materials using infrared techniques. , 2019, , .		0
24	Infrared reflectance characterization of ammonium nitrate residue on roughened aluminum for potential bioinspired stand-off sensor. , 2019, , .		0
25	Examination of stochastic and ordered methods to select optical filters for discrimination between chemical vibrational absorption bands. , 2019, , .		0