Kevin J Major

List of Publications by Year
in descending order

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	Experimental design for collection and analysis of laboratory passive infrared vapor spectra. Applied Optics, 2021, 60, 2657.	1.8	0
2	EXPRESS: Spectral Considerations for Standoff Infrared Detection of RDX on Reflective Aluminum. Applied Spectroscopy, 2021, , 000370282110538.	2.2	0
3	Behavior of the Reststrahlen Band in the 17â€"25â€°Î¼m Spectral Region in the Diffuse Reflection Spectra of Sand and Silt Mixtures. Applied Spectroscopy, 2020, 74, 334-339.	2.2	2
4	A biomimetic optical approach to skin cancer detection. , 2020, , .		1
5	Demonstration of a Human Color Vision Mimic in the Infrared. Analytical Chemistry, 2019, 91, 14058-14065.	6.5	1
6	Discrimination Between Explosive Materials and Isomers Using a Human Color Vision-Inspired Sensing Method. Applied Spectroscopy, 2019, 73, 520-528.	2.2	3
7	Infrared Reflectance Spectroscopic Evaluation of Inkjet Printed Standards of Cyclotrimethylenetrinitramine (RDX) on Aluminum Substrates. Applied Spectroscopy, 2019, 73, 214-220.	2.2	2
8	Experimental considerations for the proximate standoff detection of highly scattering hazardous materials using infrared techniques. , 2019, , .		0
9	Infrared reflectance characterization of ammonium nitrate residue on roughened aluminum for potential bioinspired stand-off sensor. , 2019, , .		0
10	Examination of stochastic and ordered methods to select optical filters for discrimination between chemical vibrational absorption bands. , 2019, , .		0
11	Chalcogenide Based Active and Passive Devices for Mid-IR Applications. , 2018, , .		0
12	Analytical procedure to assess the performance characteristics of a non-spectroscopic infrared optical sensor for discrimination of chemical vapors. Applied Optics, 2018, 57, 8903.	1.8	2
13	High-confidence discrimination of explosive materials on surfaces using a non-spectroscopic optical biomimetic sensing method. , 2018, , .		2
14	Enabling standoff detection of hazardous materials using a fiber optic coupled quantum cascade infrared laser system. , 2018, , .		1
15	Analyte detection in complex samples using a biomimetic, non-spectroscopic sensing method. , 2017, , .		0
16	Evaluation of a biomimetic optical-filter based chemical sensor for detection of hazardous chemical vapors in the infrared. Proceedings of SPIE, 2016, , .	0.8	2
17	Biomimetic Optical-Filter Detection System for Discrimination of Infrared Chemical Signatures. Analytical Chemistry, 2016, 88, 11491-11497.	6.5	10
18	Comparative Discrimination Spectral Detection Method for the Identification of Vapors Using Overlapping Broad Spectral Filters. Applied Spectroscopy, 2015, 69, 305-313.	2.2	13

#	Article	IF	Citations
19	Filter selection criteria for the discrimination of strongly overlapping chemical spectra. Proceedings of SPIE, 2015, , .	0.8	2
20	Optical Filter Selection for High Confidence Discrimination of Strongly Overlapping Infrared Chemical Spectra. Analytical Chemistry, 2015, 87, 8798-8808.	6.5	13
21	Surface transmission enhancement of ZnS via continuous-wave laser microstructuring. Proceedings of SPIE, 2014, , .	0.8	7
22	Filter-based chemical sensors for hazardous materials. , 2014, , .		4
23	Characterizing the Influence of TOPO on Exciton Recombination Dynamics in Colloidal CdSe Quantum Dots. Journal of Physical Chemistry C, 2013, 117, 4227-4237.	3.1	44
24	Modulation of CdSe fluorescence using palladium nanoparticles. Proceedings of SPIE, 2011, , .	0.8	1
25	Recent Advances in the Synthesis of Plasmonic Bimetallic Nanoparticles. Plasmonics, 2009, 4, 61-78.	3.4	139