Heather K Hunt

List of Publications by Year
in descending order

32 papers	1,049 citations	566801 15 h-index	433756 31 g-index
32 all docs	32 docs citations	32 times ranked	1550 citing authors

#	Article	IF	Citations
1	Label-free biological and chemical sensors. Nanoscale, 2010, 2, 1544.	2.8	335
2	Hand-held optoacoustic imaging: A review. Photoacoustics, 2018, 11, 14-27.	4.4	110
3	Bioconjugation Strategies for Microtoroidal Optical Resonators. Sensors, 2010, 10, 9317-9336.	2.1	97
4	Tailoring the Protein Adsorption Properties of Whispering Gallery Mode Optical Biosensors. Langmuir, 2012, 28, 15743-15750.	1.6	51
5	Techniques and Challenges for Characterizing Metal Thin Films with Applications in Photonics. Coatings, 2016, 6, 35.	1.2	49
6	Pure-silica zeolite thin films by vapor phase transport of fluoride for low-k applications. Microporous and Mesoporous Materials, 2010, 128, 12-18.	2.2	39
7	Determination of binding kinetics using whispering gallery mode microcavities. Applied Physics Letters, 2011, 99, 103703-1037033.	1.5	39
8	Pure-silica LTA, CHA, STT, ITW, and -SVR thin films and powders for low-k applications. Microporous and Mesoporous Materials, 2010, 130, 49-55.	2.2	38
9	Application of bacteriophages to selectively remove Pseudomonas aeruginosa in water and wastewater filtrationÂsystems. Water Research, 2013, 47, 4507-4518.	5.3	37
10	PEG Functionalization of Whispering Gallery Mode Optical Microresonator Biosensors to Minimize Non-Specific Adsorption during Targeted, Label-Free Sensing. Sensors, 2015, 15, 18040-18060.	2.1	32
11	Antimicrobial Coatings for Food Contact Surfaces: Legal Framework, Mechanical Properties, and Potential Applications. Comprehensive Reviews in Food Science and Food Safety, 2019, 18, 1825-1858.	5.9	30
12	Vibrational Spectroscopy of Sodalite: Theory and Experiments. Journal of Physical Chemistry C, 2018, 122, 24765-24779.	1.5	26
13	Social cognitive predictors of engineering studentsâ€™ academic persistence intentions, satisfaction, and engagement.. Journal of Counseling Psychology, 2019, 66, 170-183.	1.4	26
14	Recycling microcavity optical biosensors. Optics Letters, 2011, 36, 1092.	1.7	25
15	Dielectric constant measurement of zeolite powders by time-domain reflectometry. Microporous and Mesoporous Materials, 2009, 123, 10-14.	2.2	18
16	Techniques for microscale patterning of zeolite-based thin films. Microporous and Mesoporous Materials, 2015, 203, 245-258.	2.2	11
17	Thermo-optic Coefficient of Polyisobutylene Ultrathin Films Measured with Integrated Photonic Devices. Langmuir, 2012, 28, 849-854.	1.6	10
18	Selective patterning of Si-based biosensor surfaces using isotropic silicon etchants. Journal of Colloid and Interface Science, 2012, 369, 477-481.	5.0	10

#	Article	IF	Citations
19	Photoacoustic measurement of refractive index of dye solutions and myoglobin for biosensing applications. Biomedical Optics Express, 2013, 4, 2463.	1.5	10
20	Calculated infrared and Raman signatures of Ag+, Cd2+, Pb2+, Hg2+, Ca2+, Mg2+, and K+ sodalites. Microporous and Mesoporous Materials, 2020, 296, 109983.	2.2	9
21	Interfacing Whispering Gallery Mode Optical Microresonator Biosensors with the Plant Defense Elicitor Chitin. Colloids and Surfaces B: Biointerfaces, 2014, 122, 241-249.	2.5	7
22	Lysozyme sorption by pure-silica zeolite MFI films. Materials Today Communications, 2019, 19, 352-359.	0.9	7
23	Design and characterization of mechanically stable, nanoporous TiO2 thin film antimicrobial coatings for food contact surfaces. Materials Chemistry and Physics, 2020, 251, 123001.	2.0	7
24	A Dynamic Organic Structuring-Directing Agent for Pure-Silica-Zeolite AST and LTA Syntheses. Chinese Journal of Catalysis, 2012, 33, 85-91.	6.9	5
25	Impact of deposition and laser densification of Silicalite-1 films on their optical characteristics. Microporous and Mesoporous Materials, 2016, 223, 68-78.	2.2	4
26	Ultrasonic modulation of tissue optical properties in ex vivo porcine skin to improve transmitted transdermal laser intensity. Lasers in Surgery and Medicine, 2017, 49, 666-674.	1.1	4
27	Characterization of the surface and interfacial properties of the lamina splendens. Frontiers of Mechanical Engineering, 2017, 12, 234-252.	2.5	4
28	Characterization of MgF2 thin films using optical tunneling photoacoustic spectroscopy. Optics and Laser Technology, 2015, 73, 146-155.	2.2	3
29	Patterning silicalite-1 films using carbon dioxide laser ablation. Microporous and Mesoporous Materials, 2015, 204, 81-90.	2.2	2
30	Investigation of the photoluminescence of microporous silicalite-1 (MFI) films. Microporous and Mesoporous Materials, 2016, 220, 73-80.	2.2	2
31	Development and initial validation of the Engineering Learning Experiences Scale. Journal of Vocational Behavior, 2021, 124, 103516.	1.9	2
32	Current and emerging analytical technologies for analyzing chitin-protein binding interactions. Reviews in Analytical Chemistry, 2013, 32, 35-53.	1.5	0