

Heather K Hunt

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

803
citations

15
h-index

28
g-index

32
ext. papers

968
ext. citations

5.4
avg, IF

4.56
L-index

#	Paper	IF	Citations
32	Label-free biological and chemical sensors. <i>Nanoscale</i> , 2010 , 2, 1544-59	7.7	285
31	Bioconjugation strategies for microtoroidal optical resonators. <i>Sensors</i> , 2010 , 10, 9317-36	3.8	75
30	Hand-held optoacoustic imaging: A review. <i>Photoacoustics</i> , 2018 , 11, 14-27	9	69
29	Tailoring the protein adsorption properties of whispering gallery mode optical biosensors. <i>Langmuir</i> , 2012 , 28, 15743-50	4	38
28	Pure-silica zeolite thin films by vapor phase transport of fluoride for low-k applications. <i>Microporous and Mesoporous Materials</i> , 2010 , 128, 12-18	5.3	36
27	Determination of binding kinetics using whispering gallery mode microcavities. <i>Applied Physics Letters</i> , 2011 , 99, 103703-1037033	3.4	33
26	Pure-silica LTA, CHA, STT, ITW, and -SVR thin films and powders for low-k applications. <i>Microporous and Mesoporous Materials</i> , 2010 , 130, 49-55	5.3	33
25	Techniques and Challenges for Characterizing Metal Thin Films with Applications in Photonics. <i>Coatings</i> , 2016 , 6, 35	2.9	28
24	PEG Functionalization of Whispering Gallery Mode Optical Microresonator Biosensors to Minimize Non-Specific Adsorption during Targeted, Label-Free Sensing. <i>Sensors</i> , 2015 , 15, 18040-60	3.8	26
23	Application of bacteriophages to selectively remove <i>Pseudomonas aeruginosa</i> in water and wastewater filtration systems. <i>Water Research</i> , 2013 , 47, 4507-18	12.5	26
22	Recycling microcavity optical biosensors. <i>Optics Letters</i> , 2011 , 36, 1092-4	3	19
21	Vibrational Spectroscopy of Sodalite: Theory and Experiments. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 24765-24779	3.8	17
20	Antimicrobial Coatings for Food Contact Surfaces: Legal Framework, Mechanical Properties, and Potential Applications. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019 , 18, 1825-1858	16.4	15
19	Dielectric constant measurement of zeolite powders by time-domain reflectometry. <i>Microporous and Mesoporous Materials</i> , 2009 , 123, 10-14	5.3	15
18	Social cognitive predictors of engineering students' academic persistence intentions, satisfaction, and engagement. <i>Journal of Counseling Psychology</i> , 2019 , 66, 170-183	3.6	15
17	Techniques for microscale patterning of zeolite-based thin films. <i>Microporous and Mesoporous Materials</i> , 2015 , 203, 245-258	5.3	10
16	Selective patterning of Si-based biosensor surfaces using isotropic silicon etchants. <i>Journal of Colloid and Interface Science</i> , 2012 , 369, 477-81	9.3	8

15	Photoacoustic measurement of refractive index of dye solutions and myoglobin for biosensing applications. <i>Biomedical Optics Express</i> , 2013 , 4, 2463-76	3.5	7
14	Calculated infrared and Raman signatures of Ag ⁺ , Cd ²⁺ , Pb ²⁺ , Hg ²⁺ , Ca ²⁺ , Mg ²⁺ , and K ⁺ sodalites. <i>Microporous and Mesoporous Materials</i> , 2020 , 296, 109983	5.3	7
13	Interfacing whispering gallery mode optical microresonator biosensors with the plant defense elicitor chitin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 122, 241-249	6	5
12	Thermo-optic coefficient of polyisobutylene ultrathin films measured with integrated photonic devices. <i>Langmuir</i> , 2012 , 28, 849-54	4	5
11	Ultrasonic modulation of tissue optical properties in ex vivo porcine skin to improve transmitted transdermal laser intensity. <i>Lasers in Surgery and Medicine</i> , 2017 , 49, 666-674	3.6	4
10	Lysozyme sorption by pure-silica zeolite MFI films. <i>Materials Today Communications</i> , 2019 , 19, 352-359	2.5	4
9	Impact of deposition and laser densification of Silicalite-1 films on their optical characteristics. <i>Microporous and Mesoporous Materials</i> , 2016 , 223, 68-78	5.3	4
8	A Dynamic Organic Structuring-Directing Agent for Pure-Silica-Zeolite AST and LTA Syntheses. <i>Chinese Journal of Catalysis</i> , 2012 , 33, 85-91	11.3	4
7	Characterization of MgF ₂ thin films using optical tunneling photoacoustic spectroscopy. <i>Optics and Laser Technology</i> , 2015 , 73, 146-155	4.2	3
6	Design and characterization of mechanically stable, nanoporous TiO ₂ thin film antimicrobial coatings for food contact surfaces. <i>Materials Chemistry and Physics</i> , 2020 , 251, 123001	4.4	3
5	Characterization of the surface and interfacial properties of the lamina splendens. <i>Frontiers of Mechanical Engineering</i> , 2017 , 12, 234-252	3.3	3
4	Patterning silicalite-1 films using carbon dioxide laser ablation. <i>Microporous and Mesoporous Materials</i> , 2015 , 204, 81-90	5.3	2
3	Investigation of the photoluminescence of microporous silicalite-1 (MFI) films. <i>Microporous and Mesoporous Materials</i> , 2016 , 220, 73-80	5.3	2
2	Development and initial validation of the Engineering Learning Experiences Scale. <i>Journal of Vocational Behavior</i> , 2021 , 124, 103516	6	2
1	Current and emerging analytical technologies for analyzing chitin-protein binding interactions. <i>Reviews in Analytical Chemistry</i> , 2013 , 32, 35-53	2.3	