

# Heather K Hunt

## List of Publications by Year in Descending Order

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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	Development and initial validation of the Engineering Learning Experiences Scale. <i>Journal of Vocational Behavior</i> , <b>2021</b> , 124, 103516	6	2
31	Design and characterization of mechanically stable, nanoporous TiO <sub>2</sub> thin film antimicrobial coatings for food contact surfaces. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 251, 123001	4.4	3
30	Calculated infrared and Raman signatures of Ag <sup>+</sup> , Cd <sup>2+</sup> , Pb <sup>2+</sup> , Hg <sup>2+</sup> , Ca <sup>2+</sup> , Mg <sup>2+</sup> , and K <sup>+</sup> sodalites. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 296, 109983	5.3	7
29	Antimicrobial Coatings for Food Contact Surfaces: Legal Framework, Mechanical Properties, and Potential Applications. <i>Comprehensive Reviews in Food Science and Food Safety</i> , <b>2019</b> , 18, 1825-1858	16.4	15
28	Lysozyme sorption by pure-silica zeolite MFI films. <i>Materials Today Communications</i> , <b>2019</b> , 19, 352-359	2.5	4
27	Social cognitive predictors of engineering students' academic persistence intentions, satisfaction, and engagement. <i>Journal of Counseling Psychology</i> , <b>2019</b> , 66, 170-183	3.6	15
26	Hand-held optoacoustic imaging: A review. <i>Photoacoustics</i> , <b>2018</b> , 11, 14-27	9	69
25	Vibrational Spectroscopy of Sodalite: Theory and Experiments. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 24765-24779	3.8	17
24	Ultrasonic modulation of tissue optical properties in ex vivo porcine skin to improve transmitted transdermal laser intensity. <i>Lasers in Surgery and Medicine</i> , <b>2017</b> , 49, 666-674	3.6	4
23	Characterization of the surface and interfacial properties of the lamina splendens. <i>Frontiers of Mechanical Engineering</i> , <b>2017</b> , 12, 234-252	3.3	3
22	Investigation of the photoluminescence of microporous silicalite-1 (MFI) films. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 220, 73-80	5.3	2
21	Impact of deposition and laser densification of Silicalite-1 films on their optical characteristics. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 223, 68-78	5.3	4
20	Techniques and Challenges for Characterizing Metal Thin Films with Applications in Photonics. <i>Coatings</i> , <b>2016</b> , 6, 35	2.9	28
19	Characterization of MgF <sub>2</sub> thin films using optical tunneling photoacoustic spectroscopy. <i>Optics and Laser Technology</i> , <b>2015</b> , 73, 146-155	4.2	3
18	Patterning silicalite-1 films using carbon dioxide laser ablation. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 204, 81-90	5.3	2
17	Techniques for microscale patterning of zeolite-based thin films. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 203, 245-258	5.3	10
16	PEG Functionalization of Whispering Gallery Mode Optical Microresonator Biosensors to Minimize Non-Specific Adsorption during Targeted, Label-Free Sensing. <i>Sensors</i> , <b>2015</b> , 15, 18040-60	3.8	26

15	Interfacing whispering gallery mode optical microresonator biosensors with the plant defense elicitor chitin. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 122, 241-249	6	5
14	Photoacoustic measurement of refractive index of dye solutions and myoglobin for biosensing applications. <i>Biomedical Optics Express</i> , <b>2013</b> , 4, 2463-76	3.5	7
13	Application of bacteriophages to selectively remove <i>Pseudomonas aeruginosa</i> in water and wastewater filtration systems. <i>Water Research</i> , <b>2013</b> , 47, 4507-18	12.5	26
12	Current and emerging analytical technologies for analyzing chitin-protein binding interactions. <i>Reviews in Analytical Chemistry</i> , <b>2013</b> , 32, 35-53	2.3	
11	Selective patterning of Si-based biosensor surfaces using isotropic silicon etchants. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 369, 477-81	9.3	8
10	A Dynamic Organic Structuring-Directing Agent for Pure-Silica-Zeolite AST and LTA Syntheses. <i>Chinese Journal of Catalysis</i> , <b>2012</b> , 33, 85-91	11.3	4
9	Thermo-optic coefficient of polyisobutylene ultrathin films measured with integrated photonic devices. <i>Langmuir</i> , <b>2012</b> , 28, 849-54	4	5
8	Tailoring the protein adsorption properties of whispering gallery mode optical biosensors. <i>Langmuir</i> , <b>2012</b> , 28, 15743-50	4	38
7	Recycling microcavity optical biosensors. <i>Optics Letters</i> , <b>2011</b> , 36, 1092-4	3	19
6	Determination of binding kinetics using whispering gallery mode microcavities. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 103703-103703	3.4	33
5	Bioconjugation strategies for microtoroidal optical resonators. <i>Sensors</i> , <b>2010</b> , 10, 9317-36	3.8	75
4	Label-free biological and chemical sensors. <i>Nanoscale</i> , <b>2010</b> , 2, 1544-59	7.7	285
3	Pure-silica zeolite thin films by vapor phase transport of fluoride for low-k applications. <i>Microporous and Mesoporous Materials</i> , <b>2010</b> , 128, 12-18	5.3	36
2	Pure-silica LTA, CHA, STT, ITW, and -SVR thin films and powders for low-k applications. <i>Microporous and Mesoporous Materials</i> , <b>2010</b> , 130, 49-55	5.3	33
1	Dielectric constant measurement of zeolite powders by time-domain reflectometry. <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 123, 10-14	5.3	15