

# Donna Stokes

## List of Publications by Year in descending order

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45  
papers

599  
citations

687363

13  
h-index

610901

24  
g-index

46  
all docs

46  
docs citations

46  
times ranked

299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous-wave operation of $\lambda = 3.25 \mu\text{m}$ broadened-waveguide W quantum-well diode lasers up to $T = 195 \text{ K}$ . Applied Physics Letters, 2000, 76, 256-258.	3.3	109
2	High-temperature continuous-wave $3 \mu\text{m}$ lasers with diamond-pressure-bond heat sinking. Applied Physics Letters, 1999, 74, 1075-1077.	3.3	100
3	The embodied nature of narrative knowledge: A cross-study analysis of embodied knowledge in teaching, learning, and life. Teaching and Teacher Education, 2018, 71, 329-340.	3.2	42
4	High-efficiency midinfrared laser with optical pumping injection cavity. Applied Physics Letters, 1999, 75, 2876-2878.	3.3	36
5	Optical-pumping injection cavity (OPIC) mid-IR "W" lasers with high efficiency and low loss. IEEE Photonics Technology Letters, 2000, 12, 477-479.	2.5	35
6	The influence of parents on undergraduate and graduate students entering the STEM disciplines and STEM careers. International Journal of Science Education, 2018, 40, 621-643.	1.9	31
7	Type-II quantum-well lasers emitting at $\lambda = 5.4 \mu\text{m}$ . Journal of Applied Physics, 1999, 86, 4729-4733.	2.7	27
8	Growth of short-period InAs/GaSb superlattices. Journal of Applied Physics, 2006, 100, 123110.	2.5	26
9	Thermal characterization of diamond-pressure-bond heat sinking for optically pumped mid-infrared lasers. IEEE Journal of Quantum Electronics, 1999, 35, 1597-1601.	1.9	23
10	Continuous-wave type-II "QW" lasers emitting at $\lambda = 5.4 \mu\text{m}$ . IEEE Photonics Technology Letters, 1999, 11, 964-966.	2.5	20
11	Long mean free paths of room-temperature THz acoustic phonons in a high thermal conductivity material. Physical Review B, 2019, 100, .	3.2	20
12	Mid-infrared lasers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2001, 359, 489-503.	3.4	18
13	Morphological Instability in InAs/GaSb Superlattices due to Interfacial Bonds. Physical Review Letters, 2005, 95, 096104.	7.8	14
14	A tribute to unsung teachers: teachers' influences on students enrolling in STEM programs with the intent of entering STEM careers. European Journal of Teacher Education, 2019, 42, 335-358.	3.7	14
15	Lateral composition modulation in InAs/GaSb superlattices. Journal of Applied Physics, 2003, 93, 311-315.	2.5	13
16	Effect of strain on the growth of InAs/GaSb superlattices: An x-ray diffraction study. Journal of Applied Physics, 2010, 107, .	2.5	13
17	Propagation of THz acoustic wave packets in GaN at room temperature. Applied Physics Letters, 2018, 112, .	3.3	10
18	Short-period InAs/GaSb superlattices for mid-infrared photodetectors. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1702-1706.	0.8	8

#	ARTICLE	IF	CITATIONS
19	Math remediation intervention for student success in the algebra-based introductory physics course. <i>Physical Review Physics Education Research</i> , 2017, 13, .	2.9	8
20	Attracting, Preparing, and Retaining Teachers in High Need Areas: A Science as Inquiry Model of Teacher Education. , 2017, , 455-470.		7
21	Mid-infrared W quantum-well lasers for noncryogenic continuous-wave operation. <i>Applied Optics</i> , 2001, 40, 806.	2.1	6
22	X-ray diffraction analysis of an osmium silicide epilayer grown on Si(100) by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2006, 294, 174-178.	1.5	5
23	Type-II antimonide quantum wells for mid-infrared lasers. <i>Optical Materials</i> , 2001, 17, 179-183.	3.6	3
24	X-ray diffraction analysis of interdiffusion in Al[sub x]In[sub 1- <sup>x</sup> ]As[sub y]Sb[sub 1- <sup>y</sup> ]GaSb multilayers. <i>Journal of Vacuum Science &amp; Technology B</i> , 2006, 24, 1127.	1.3	3
25	Molecular beam epitaxial growth of Fe(Si[sub 1- <sup>x</sup> ]Ge[sub x])[sub 2] epilayers. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005, 23, 1299.	1.6	2
26	Type-II mid-infrared lasers. , 2000, , .		1
27	Effect of interfacial strain on the morphological instability of noncommon anion semiconductor epitaxial films. <i>Applied Physics Letters</i> , 2006, 89, 111906.	3.3	1
28	Enhancing Preservice Teacher Preparation through Formal and Informal Learning Experiences. <i>Advances in Research on Teaching</i> , 2021, , 65-83.	0.2	1
29	Parents' Influence on Undergraduate and Graduate Students' Entering the STEM Disciplines and STEM Careers. <i>Advances in Research on Teaching</i> , 2021, , 109-133.	0.2	1
30	Where Are the teachHOUSTON Preservice Candidates Now? Are They Still in the Urban Teacher Force?. <i>Advances in Research on Teaching</i> , 2021, , 201-226.	0.2	1
31	Examining the Impact of Informal Experiences on Preservice Teachers' Self-efficacy. <i>Advances in Research on Teaching</i> , 2021, , 85-108.	0.2	1
32	High-Temperature Diode and Optically-Pumped Mid-IR Lasers with Type-II $\text{W}\text{Quantum Wells}$ . <i>Optics and Photonics News</i> , 1999, 10, 18.	0.5	0
33	Optically pumped mid-infrared type-II lasers: advances in high-temperature performance. , 1999, , .		0
34	High-Temperature W Diode Lasers Emitting at 3.3 $\mu\text{m}$ . <i>Materials Research Society Symposia Proceedings</i> , 1999, 607, 95.	0.1	0
35	Electrical and magnetotransport in Al <sub>x</sub> In <sub>1-x</sub> As <sub>y</sub> Sb <sub>1-y</sub> /GaSb multilayers. <i>Semiconductor Science and Technology</i> , 2001, 16, 353-357.	2.0	0
36	X-ray diffraction analysis of lateral composition modulation in InAs/GaSb superlattices intended for infrared detector applications. <i>IEE Proceedings: Optoelectronics</i> , 2003, 150, 420.	0.8	0

#	ARTICLE	IF	CITATIONS
37	The Value of STEM Scholarship Grants to Undergraduate and Graduate Students Intending to Study the STEM Disciplines and Pursue STEM Careers. <i>Advances in Research on Teaching</i> , 2021, , 179-200.	0.2	0
38	Overview of the teachHOUSTON Program *. <i>Advances in Research on Teaching</i> , 2021, , 7-26.	0.2	0
39	In Praise of "Unsung Teachers": Teachers' Influences on Students Enrolling in STEM Programs with the Intent of Entering STEM Careers. <i>Advances in Research on Teaching</i> , 2021, , 135-158.	0.2	0
40	The Influence of Professors on Students Enrolled in the STEM Programs with the Intent of Embarking on STEM Careers. <i>Advances in Research on Teaching</i> , 2021, , 159-177.	0.2	0
41	Collaboration between a Physics Professor and a Physics Teacher/Teacher Educator. <i>Advances in Research on Teaching</i> , 2021, , 27-40.	0.2	0
42	A Narrative Inquiry into Teaching Physics as Inquiry: One Teacher's Journey. <i>Advances in Research on Teaching</i> , 2021, , 41-64.	0.2	0
43	Overview of the Book. <i>Advances in Research on Teaching</i> , 2021, , 1-5.	0.2	0
44	High-temperature continuous-wave operation of optically-pumped W lasers with $\lambda = 3-7.1 \mu\text{m}$ . , 1999, , .		0
45	Learning and Leading as Collaborative Physics Education/Physics Partners: Building a Physics Teacher Education Program. <i>Palgrave Studies on Leadership and Learning in Teacher Education</i> , 2020, , 271-284.	0.2	0