

# Joshua R Hendrickson

## List of Publications by Year in descending order

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33  
papers

1,049  
citations

567144

15  
h-index

434063

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable angle-independent mid-infrared optical filters using GST-based micro resonator arrays. Optical Materials Express, 2022, 12, 1043.	1.6	7
2	Power-Dependent Investigation of Photo-Response from GeSn-Based p-i-n Photodetector Operating at High Power Density. Materials, 2022, 15, 989.	1.3	11
3	Cavity-enhanced linear dichroism in a van der Waals antiferromagnet. Nature Photonics, 2022, 16, 311-317.	15.6	20
4	High-Density, Localized Quantum Emitters in Strained 2D Semiconductors. ACS Nano, 2022, 16, 9651-9659.	7.3	21
5	Independent measurement of phase and amplitude modulation in phase change material-based devices. Optical Materials Express, 2022, 12, 2899.	1.6	2
6	Pole-based analysis of coupled modes in metal-insulator-metal plasmonic structures. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 776.	0.9	2
7	Tunable Doppler shift using a time-varying epsilon-near-zero thin film near 1550 nm. Optics Letters, 2021, 46, 3444.	1.7	6
8	Self-Hybridized Polaritonic Emission from Layered Perovskites. Nano Letters, 2021, 21, 6245-6252.	4.5	18
9	Wavelength and power dependence on multilevel behavior of phase change materials. AIP Advances, 2021, 11, 085327.	0.6	3
10	Subwavelength Grating Lens With Continuous Phase Shifts. IEEE Photonics Technology Letters, 2021, 33, 844-847.	1.3	1
11	Hyperuniform disordered metal-insulator-metal gap plasmon metasurface near perfect light absorber. Optical Materials Express, 2021, 11, 4083.	1.6	3
12	Manipulation of Ultrafast Pulses Using Epsilon-Near-Zero Based Plasmonic Nonlinear Metasurface. , 2021, , .		0
13	Gap-Plasmon-Enhanced Second-Harmonic Generation in Epsilon-Near-Zero Nanolayers. ACS Photonics, 2020, 7, 174-179.	3.2	23
14	Tunable indium tin oxide for metamaterial perfect absorbers and nonlinear devices. MRS Communications, 2020, 10, 573-578.	0.8	7
15	Tungsten-doped Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> phase change material for high-speed optical switching devices. Applied Physics Letters, 2020, 116, .	1.5	16
16	Planar GeSn photodiode for high-detectivity photodetection at 1550 nm. Applied Physics Letters, 2020, 117, .	1.5	21
17	Phase Change Dynamics and Two-Dimensional 4-Bit Memory in Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> via Telecom-Band Encoding. ACS Photonics, 2020, 7, 480-487.	3.2	25
18	Optical dielectric constants of single crystalline silver films in the long wavelength range. Optical Materials Express, 2020, 10, 693.	1.6	13

#	ARTICLE	IF	CITATIONS
19	Epsilon-near-zero thin-film metamaterials for wideband near-perfect light absorption. <i>Optical Materials Express</i> , 2020, 10, 2439.	1.6	15
20	Edge Doping Effect to the Surface Plasmon Resonances in Graphene Nanoribbons. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19820-19827.	1.5	8
21	Controlling three-dimensional optical fields via inverse Mie scattering. <i>Science Advances</i> , 2019, 5, eaax4769.	4.7	44
22	Ultra-Long Lifetimes of Single Quantum Emitters in Monolayer WSe <sub>2</sub> /hBN Heterostructures. <i>Advanced Quantum Technologies</i> , 2019, 2, 1900022.	1.8	13
23	Quantum Calligraphy: Writing Single-Photon Emitters in a Two-Dimensional Materials Platform. <i>ACS Nano</i> , 2019, 13, 904-912.	7.3	80
24	Angle- and polarization-independent mid-infrared narrowband optical filters using dense arrays of resonant cavities. <i>Optics Express</i> , 2019, 27, 37481.	1.7	9
25	Coupling of Epsilon-Near-Zero Mode to Gap Plasmon Mode for Flat-Top Wideband Perfect Light Absorption. <i>ACS Photonics</i> , 2018, 5, 776-781.	3.2	78
26	Improving the performance of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> materials via nickel doping: Towards RF-compatible phase-change devices. <i>Applied Physics Letters</i> , 2018, 113, 171903.	1.5	34
27	GST-on-silicon hybrid nanophotonic integrated circuits: a non-volatile quasi-continuously reprogrammable platform. <i>Optical Materials Express</i> , 2018, 8, 1551.	1.6	166
28	Super-Absorbing Metamaterials Using Epsilon-Near-Zero Plasma Resonance. , 2018, , .		0
29	Room-temperature 2- $\mu$ m GeSn P-I-N homojunction light-emitting diode for inplane coupling to group-IV waveguides. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	15
30	Ge <sub>0.975</sub> Sn <sub>0.025</sub> 320- $\mu$ m imager chip for 16 $\times$ 19 $\mu$ m infrared vision. <i>Applied Optics</i> , 2016, 55, 2046.	1.0	10
31	Localized and nonlocalized plasmon resonance enhanced light absorption in metal-insulator-metal nanostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 1686.	0.9	21
32	Multispectral near-perfect metamaterial absorbers using spatially multiplexed plasmon resonance metal square structures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 656.	0.9	124
33	Wideband perfect light absorber at midwave infrared using multiplexed metal structures. <i>Optics Letters</i> , 2012, 37, 371.	1.7	219