

# Sean Phillip Rodrigues

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8628523/publications.pdf>

Version: 2024-02-01

26  
papers

1,894  
citations

516215

16  
h-index

713013

21  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2777  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of Compact Meta-Crystal Slab for General Optical Convolution. ACS Photonics, 2022, 9, 1358-1365.	3.2	12
2	Weighing in on photonic-based machine learning for automotive mobility. Nature Photonics, 2021, 15, 66-67.	15.6	8
3	PhotocARRIER-Induced Active Control of Second-Order Optical Nonlinearity in Monolayer MoS <sub>2</sub> . Small, 2020, 16, e1906347.	5.2	24
4	3D Volumetric Energy Deposition of Focused Helium Ion Beam Lithography: Visualization, Modeling, and Applications in Nanofabrication. Advanced Materials Interfaces, 2018, 5, 1800203.	1.9	22
5	Hot-Electron-Assisted Femtosecond All-Optical Modulation in Plasmonics. Advanced Materials, 2018, 30, 1704915.	11.1	61
6	A Chiral Meta-Mirror Enabled Linear and Nonlinear Chiroptical Responses. , 2018, , .		0
7	Generative Model for the Inverse Design of Metasurfaces. Nano Letters, 2018, 18, 6570-6576.	4.5	562
8	Ultrafast Control of Phase and Polarization of Light Expedited by Hot-Electron Transfer. Nano Letters, 2018, 18, 5544-5551.	4.5	60
9	Dark plasmonic modes in diatomic gratings for plasmoelectronics. Laser and Photonics Reviews, 2017, 11, 1600312.	4.4	11
10	Intensity-dependent modulation of optically active signals in a chiral metamaterial. Nature Communications, 2017, 8, .	5.8	69
11	Highly Reproducible Organometallic Halide Perovskite Microdevices based on Top-Down Lithography. Advanced Materials, 2017, 29, 1606205.	11.1	138
12	Preserving Spin States upon Reflection: Linear and Nonlinear Responses of a Chiral Meta-Mirror. Nano Letters, 2017, 17, 7102-7109.	4.5	124
13	Modulating optically active signals in a chiral metamaterial with varied input intensities. , 2017, , .		0
14	Visualizing Optical Phase Anisotropy in Black Phosphorus. ACS Photonics, 2016, 3, 1176-1181.	3.2	84
15	Electrically Tunable Harmonic Generation of Light from Plasmonic Structures in Electrolytes. Nano Letters, 2016, 16, 5074-5079.	4.5	19
16	A Chiral Metamaterial for Chiral Responsive Optoelectronic Transduction. , 2016, , .		1
17	Backward Phase-Matching in Negative-Index Materials. , 2016, , .		0
18	Achiral Nanoprobes Extract Chiral Signals from within Chiral Metamaterials. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	An Active Metamaterial Platform for Chiral Responsive Optoelectronics. <i>Advanced Materials</i> , 2015, 27, 4377-4383.	11.1	70
20	Backward phase-matching for nonlinear optical generation in negative-index materials. <i>Nature Materials</i> , 2015, 14, 807-811.	13.3	73
21	Tuning harmonics with excitons. <i>Nature Nanotechnology</i> , 2015, 10, 387-388.	15.6	13
22	Metamaterials Enable Chiral-Selective Enhancement of Two-Photon Luminescence from Quantum Emitters. <i>Advanced Materials</i> , 2015, 27, 1124-1130.	11.1	46
23	Enhancement of Two-Photon Luminescence from Quantum Emitters: Metamaterial-Enabled Chiral Selectivity. , 2015, , .		0
24	Giant Chiral Optical Response from a Twisted-Arc Metamaterial. <i>Nano Letters</i> , 2014, 14, 1021-1025.	4.5	268
25	Nonlinear Imaging and Spectroscopy of Chiral Metamaterials. <i>Advanced Materials</i> , 2014, 26, 6157-6162.	11.1	138
26	Electrifying photonic metamaterials for tunable nonlinear optics. <i>Nature Communications</i> , 2014, 5, 4680.	5.8	90