

# 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

516710

16  
h-index

713466

21  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2777  
citing authors

#	ARTICLE	IF	CITATIONS
1	Generative Model for the Inverse Design of Metasurfaces. Nano Letters, 2018, 18, 6570-6576.	9.1	562
2	Giant Chiral Optical Response from a Twisted-Arc Metamaterial. Nano Letters, 2014, 14, 1021-1025.	9.1	268
3	Nonlinear Imaging and Spectroscopy of Chiral Metamaterials. Advanced Materials, 2014, 26, 6157-6162.	21.0	138
4	Highly Reproducible Organometallic Halide Perovskite Microdevices based on Top-Down Lithography. Advanced Materials, 2017, 29, 1606205.	21.0	138
5	Preserving Spin States upon Reflection: Linear and Nonlinear Responses of a Chiral Meta-Mirror. Nano Letters, 2017, 17, 7102-7109.	9.1	124
6	Electrifying photonic metamaterials for tunable nonlinear optics. Nature Communications, 2014, 5, 4680.	12.8	90
7	Visualizing Optical Phase Anisotropy in Black Phosphorus. ACS Photonics, 2016, 3, 1176-1181.	6.6	84
8	Backward phase-matching for nonlinear optical generation in negative-index materials. Nature Materials, 2015, 14, 807-811.	27.5	73
9	An Active Metamaterial Platform for Chiral Responsive Optoelectronics. Advanced Materials, 2015, 27, 4377-4383.	21.0	70
10	Intensity-dependent modulation of optically active signals in a chiral metamaterial. Nature Communications, 2017, 8, .	12.8	69
11	Hot-Electron-Assisted Femtosecond All-Optical Modulation in Plasmonics. Advanced Materials, 2018, 30, 1704915.	21.0	61
12	Ultrafast Control of Phase and Polarization of Light Expedited by Hot-Electron Transfer. Nano Letters, 2018, 18, 5544-5551.	9.1	60
13	Metamaterials Enable Chiral-Selective Enhancement of Two-Photon Luminescence from Quantum Emitters. Advanced Materials, 2015, 27, 1124-1130.	21.0	46
14	Photocurrent-Induced Active Control of Second-Order Optical Nonlinearity in Monolayer MoS <sub>2</sub> . Small, 2020, 16, e1906347.	10.0	24
15	3D Volumetric Energy Deposition of Focused Helium Ion Beam Lithography: Visualization, Modeling, and Applications in Nanofabrication. Advanced Materials Interfaces, 2018, 5, 1800203.	3.7	22
16	Electrically Tunable Harmonic Generation of Light from Plasmonic Structures in Electrolytes. Nano Letters, 2016, 16, 5074-5079.	9.1	19
17	Tuning harmonics with excitons. Nature Nanotechnology, 2015, 10, 387-388.	31.5	13
18	Design of Compact Meta-Crystal Slab for General Optical Convolution. ACS Photonics, 2022, 9, 1358-1365.	6.6	12

#	ARTICLE	IF	CITATIONS
19	Dark plasmonic modes in diatomic gratings for plasmoelectronics. Laser and Photonics Reviews, 2017, 11, 1600312.	8.7	11
20	Weighing in on photonic-based machine learning for automotive mobility. Nature Photonics, 2021, 15, 66-67.	31.4	8
21	A Chiral Metamaterial for Chiral Responsive Optoelectronic Transduction. , 2016, , .		1
22	Modulating optically active signals in a chiral metamaterial with varied input intensities. , 2017, , .		0
23	A Chiral Meta-Mirror Enabled Linear and Nonlinear Chiroptical Responses. , 2018, , .		0
24	Enhancement of Two-Photon Luminescence from Quantum Emitters: Metamaterial-Enabled Chiral Selectivity. , 2015, , .		0
25	Backward Phase-Matching in Negative-Index Materials. , 2016, , .		0
26	Achiral Nanoprobes Extract Chiral Signals from within Chiral Metamaterials. , 2016, , .		0