L Kuipers

List of Publications by Year
in descending order

31 papers	2,961 citations	430874 18 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	3944 citing authors

#	Article	IF	Citations
1	Simultaneous Characterization of Two Ultrashort Optical Pulses at Different Frequencies Using a WS₂ Monolayer. ACS Photonics, 2022, 9, 1902-1907.	6.6	2
2	Breakdown of Spin-to-Helicity Locking at the Nanoscale in Topological Photonic Crystal Edge States. Physical Review Letters, 2022, 128, .	7.8	5
3	Interplay of Leakage Radiation and Protection in Topological Photonic Crystal Cavities. Laser and Photonics Reviews, 2022, 16, .	8.7	2
4	Nonlinear Optical Response of a WS₂ Monolayer at Room Temperature upon Multicolor Laser Excitation. ACS Photonics, 2021, 8, 550-556.	6.6	16
5	Morphology-induced spectral modification of self-assembled WS₂ pyramids. Nanoscale Advances, 2021, 3, 6427-6437.	4.6	3
6	Effective pair-interaction of phase singularities in random waves. Optics Letters, 2021, 46, 2734.	3.3	2
7	Direct quantification of topological protection in symmetry-protected photonic edge states at telecom wavelengths. Light: Science and Applications, 2021, 10, 9.	16.6	63
8	Vertically-oriented MoS₂ nanosheets for nonlinear optical devices. Nanoscale, 2020, 12, 10491-10497.	5.6	28
9	Nanoscale Optical Addressing of Valley Pseudospins through Transverse Optical Spin. Nano Letters, 2020, 20, 4410-4415.	9.1	24
10	Plasmon-induced enhancement of nonlinear optical processes in a double-resonant metallic nanostructure grating. Applied Physics Letters, 2020, 116, 101101.	3.3	10
11	Direct observation of topological edge states in silicon photonic crystals: Spin, dispersion, and chiral routing. Science Advances, 2020, 6, eaaw4137.	10.3	136
12	Poynting singularities in the transverse flow-field of random vector waves. Optics Letters, 2020, 45, 2600.	3.3	1
13	Topological Protection of Light Propagation in Photonic Crystals. , 2020, , .		0
14	Circular Dichroism Measurement of Single Metal Nanoparticles Using Photothermal Imaging. Nano Letters, 2019, 19, 8934-8940.	9.1	64
15	Label-Free Optical Detection of DNA Translocations through Plasmonic Nanopores. ACS Nano, 2019, 13, 61-70.	14.6	107
16	Topological edge states in bichromatic photonic crystals. Optica, 2019, 6, 96.	9.3	20
17	Index-symmetry breaking of polarization vortices in 2D random vector waves. Optica, 2019, 6, 1237.	9.3	10
18	Nanoscale chiral valley-photon interface through optical spin-orbit coupling. Science, 2018, 359, 443-447.	12.6	208

#	Article	IF	Citations
19	Spatial Bunching of Same-Index Polarization Singularities in Two-Dimensional Random Vector Waves. Physical Review X, 2018, 8, .	8.9	5
20	Screening and fluctuation of the topological charge in random wave fields. Optics Letters, 2018, 43, 2740.	3.3	5
21	Coreâ€“Shell Plasmonic Nanohelices. ACS Photonics, 2017, 4, 1858-1863.	6.6	47
22	Persistence and Lifelong Fidelity of Phase Singularities in Optical Random Waves. Physical Review Letters, 2017, 119, 203903.	7.8	15
23	Spatial Distribution of Phase Singularities in Optical Random Vector Waves. Physical Review Letters, 2016, 117, 093901.	7.8	25
24	Triggering extreme events at the nanoscale in photonic seas. Nature Physics, 2015, 11, 358-363.	16.7	99
25	Nanophotonic control of circular dipole emission. Nature Communications, 2015, 6, 6695.	12.8	209
26	Mapping nanoscale light fields. Nature Photonics, 2014, 8, 919-926.	31.4	172
27	Simultaneous measurement of nanoscale electric and magnetic optical fields. Nature Photonics, 2014, 8, 43-46.	31.4	96
28	Light passing through subwavelength apertures. Reviews of Modern Physics, 2010, 82, 729-787.	45.6	1,104
29	Observation of Polarization Singularities at the Nanoscale. Physical Review Letters, 2009, 102, 033902.	7.8	143
30	Strong Modification of the Nonlinear Optical Response of Metallic Subwavelength Hole Arrays. Physical Review Letters, 2006, 97, 146102.	7.8	197
31	Local Observations of Phase Singularities in Optical Fields in Waveguide Structures. Physical Review Letters, 2000, 85, 294-297.	7.8	143