

# L Kuipers

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7447391/publications.pdf>

Version: 2024-02-01

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	Light passing through subwavelength apertures. <i>Reviews of Modern Physics</i> , 2010, 82, 729-787.	45.6	1,104
2	Nanophotonic control of circular dipole emission. <i>Nature Communications</i> , 2015, 6, 6695.	12.8	209
3	Nanoscale chiral valley-photon interface through optical spin-orbit coupling. <i>Science</i> , 2018, 359, 443-447.	12.6	208
4	Strong Modification of the Nonlinear Optical Response of Metallic Subwavelength Hole Arrays. <i>Physical Review Letters</i> , 2006, 97, 146102.	7.8	197
5	Mapping nanoscale light fields. <i>Nature Photonics</i> , 2014, 8, 919-926.	31.4	172
6	Local Observations of Phase Singularities in Optical Fields in Waveguide Structures. <i>Physical Review Letters</i> , 2000, 85, 294-297.	7.8	143
7	Observation of Polarization Singularities at the Nanoscale. <i>Physical Review Letters</i> , 2009, 102, 033902.	7.8	143
8	Direct observation of topological edge states in silicon photonic crystals: Spin, dispersion, and chiral routing. <i>Science Advances</i> , 2020, 6, eaaw4137.	10.3	136
9	Label-Free Optical Detection of DNA Translocations through Plasmonic Nanopores. <i>ACS Nano</i> , 2019, 13, 61-70.	14.6	107
10	Triggering extreme events at the nanoscale in photonic seas. <i>Nature Physics</i> , 2015, 11, 358-363.	16.7	99
11	Simultaneous measurement of nanoscale electric and magnetic optical fields. <i>Nature Photonics</i> , 2014, 8, 43-46.	31.4	96
12	Circular Dichroism Measurement of Single Metal Nanoparticles Using Photothermal Imaging. <i>Nano Letters</i> , 2019, 19, 8934-8940.	9.1	64
13	Direct quantification of topological protection in symmetry-protected photonic edge states at telecom wavelengths. <i>Light: Science and Applications</i> , 2021, 10, 9.	16.6	63
14	Core-Shell Plasmonic Nanohelices. <i>ACS Photonics</i> , 2017, 4, 1858-1863.	6.6	47
15	Vertically-oriented MoS <sub>2</sub> nanosheets for nonlinear optical devices. <i>Nanoscale</i> , 2020, 12, 10491-10497.	5.6	28
16	Spatial Distribution of Phase Singularities in Optical Random Vector Waves. <i>Physical Review Letters</i> , 2016, 117, 093901.	7.8	25
17	Nanoscale Optical Addressing of Valley Pseudospins through Transverse Optical Spin. <i>Nano Letters</i> , 2020, 20, 4410-4415.	9.1	24
18	Topological edge states in bichromatic photonic crystals. <i>Optica</i> , 2019, 6, 96.	9.3	20

#	ARTICLE	IF	CITATIONS
19	Nonlinear Optical Response of a WS <sub>2</sub> Monolayer at Room Temperature upon Multicolor Laser Excitation. ACS Photonics, 2021, 8, 550-556.	6.6	16
20	Persistence and Lifelong Fidelity of Phase Singularities in Optical Random Waves. Physical Review Letters, 2017, 119, 203903.	7.8	15
21	Plasmon-induced enhancement of nonlinear optical processes in a double-resonant metallic nanostructure grating. Applied Physics Letters, 2020, 116, 101101.	3.3	10
22	Index-symmetry breaking of polarization vortices in 2D random vector waves. Optica, 2019, 6, 1237.	9.3	10
23	Spatial Bunching of Same-Index Polarization Singularities in Two-Dimensional Random Vector Waves. Physical Review X, 2018, 8, .	8.9	5
24	Screening and fluctuation of the topological charge in random wave fields. Optics Letters, 2018, 43, 2740.	3.3	5
25	Breakdown of Spin-to-Helicity Locking at the Nanoscale in Topological Photonic Crystal Edge States. Physical Review Letters, 2022, 128, .	7.8	5
26	Morphology-induced spectral modification of self-assembled WS <sub>2</sub> pyramids. Nanoscale Advances, 2021, 3, 6427-6437.	4.6	3
27	Effective pair-interaction of phase singularities in random waves. Optics Letters, 2021, 46, 2734.	3.3	2
28	Simultaneous Characterization of Two Ultrashort Optical Pulses at Different Frequencies Using a WS <sub>2</sub> Monolayer. ACS Photonics, 2022, 9, 1902-1907.	6.6	2
29	Interplay of Leakage Radiation and Protection in Topological Photonic Crystal Cavities. Laser and Photonics Reviews, 2022, 16, .	8.7	2
30	Poynting singularities in the transverse flow-field of random vector waves. Optics Letters, 2020, 45, 2600.	3.3	1
31	Topological Protection of Light Propagation in Photonic Crystals. , 2020, , .		0