

# Vladimir Kleiner

## List of Publications by Year in descending order

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28  
papers

3,747  
citations

393982

19  
h-index

676716

22  
g-index

28  
all docs

28  
docs citations

28  
times ranked

3086  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photonic Rashba effect from quantum emitters mediated by a Berry-phase defective photonic crystal. Nature Nanotechnology, 2020, 15, 927-933.	15.6	40
2	Probing nanoscale fluctuation of ferromagnetic meta-atoms with a stochastic photonic spin Hall effect. Nature Nanotechnology, 2020, 15, 450-456.	15.6	38
3	Random Topological Defects-Induced Spin-Enabled Photonic Transport by Metasurfaces. , 2019, , .		0
4	Photonic Topological Spin Hall Effect Mediated by Vortex Pairs. Physical Review Letters, 2019, 123, 266101.	2.9	14
5	Topologically Controlled Intracavity Laser Modes Based on Pancharatnam-Berry Phase. ACS Photonics, 2018, 5, 1817-1821.	3.2	35
6	Order and Disorder Embedded in a Spectrally Interleaved Metasurface. ACS Photonics, 2018, 5, 4764-4768.	3.2	5
7	Quantum entanglement of the spin and orbital angular momentum of photons using metamaterials. Science, 2018, 361, 1101-1104.	6.0	294
8	Multifunctional interleaved geometric-phase dielectric metasurfaces. Light: Science and Applications, 2017, 6, e17027-e17027.	7.7	174
9	Disorder-induced optical transition from spin Hall to random Rashba effect. Science, 2017, 358, 1411-1415.	6.0	56
10	Spin-controlled multifunctional metasurfaces. , 2017, , .		0
11	Intra-cavity spin controlled geometric phase metasurface. , 2017, , .		0
12	Photonic spin-controlled multifunctional shared-aperture antenna array. Science, 2016, 352, 1202-1206.	6.0	408
13	Optical Mode Control by Geometric Phase in Quasicrystal Metasurface. Physical Review Letters, 2015, 115, 205501.	2.9	26
14	Spin-Optical Metamaterial Route to Spin-Controlled Photonics. Science, 2013, 340, 724-726.	6.0	425
15	Spin-controlled plasmonics via optical Rashba effect. Applied Physics Letters, 2013, 103, 211114.	1.5	22
16	Bandgap structure of thermally excited surface phonon polaritons. Applied Physics Letters, 2010, 96, 071911.	1.5	7
17	Geometric Doppler Effect: Spin-Split Dispersion of Thermal Radiation. Physical Review Letters, 2010, 105, 136402.	2.9	67
18	Slow surface phonon polaritons for sensing in the midinfrared spectrum. Applied Physics Letters, 2009, 94, .	1.5	38

#	ARTICLE	IF	CITATIONS
19	Geometrodynamics of spinning light. Nature Photonics, 2008, 2, 748-753.	15.6	500
20	Coherent control of thermal emission from SiC due to coupled resonant cavity structure. , 2008, , .		1
21	Inhomogeneous anisotropic subwavelength structures for the excitation of single hollow waveguide modes. , 2008, , .		1
22	Enhanced coherent thermal emission of coupled resonant cavities due to surface phonon-polariton excitation. , 2007, , .		0
23	Space-variant polarization manipulation of a thermal emission by a SiO <sub>2</sub> subwavelength grating supporting surface phonon-polaritons. Applied Physics Letters, 2005, 86, 191102.	1.5	59
24	Polarization dependent focusing lens by use of quantized Pancharatnamâ€™Berry phase diffractive optics. Applied Physics Letters, 2003, 82, 328-330.	1.5	388
25	Nondiffracting periodically space-variant polarization beams with subwavelength gratings. Applied Physics Letters, 2002, 80, 3685-3687.	1.5	21
26	Space-variant Pancharatnamâ€™Berry phase optical elements with computer-generated subwavelength gratings. Optics Letters, 2002, 27, 1141.	1.7	638
27	Pancharatnamâ€™Berry phase in space-variant polarization-state manipulations with subwavelength gratings. Optics Letters, 2001, 26, 1424.	1.7	341
28	Formation of radially and azimuthally polarized light using space-variant subwavelength metal stripe gratings. Applied Physics Letters, 2001, 79, 1587-1589.	1.5	149