

Zhen Gao

List of Publications by Year in descending order

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28
papers

2,294
citations

430843

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501174

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28
all docs

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docs citations

28
times ranked

2169
citing authors

#	ARTICLE	IF	CITATIONS
1	Ideal Unconventional Weyl Point in a Chiral Photonic Metamaterial. <i>Physical Review Letters</i> , 2020, 125, 143001.	7.8	51
2	Surface wave photonic quasicrystal. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	7
3	Programmable Multifunctional Device Based on Spoof Surface Plasmon Polaritons. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 3770-3779.	5.1	29
4	Measurement Method of Dispersion Curves for Spoof Surface Plasmon Polaritons. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 4920-4923.	5.1	18
5	Topological triply degenerate point with double Fermi arcs. <i>Nature Physics</i> , 2019, 15, 645-649.	16.7	89
6	Realization of a three-dimensional photonic topological insulator. <i>Nature</i> , 2019, 565, 622-626.	27.8	254
7	Selectively enhanced magnetic vertical conductive coupling among magnetic localized surface plasmons. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 135101.	2.8	4
8	Spoof Plasmonics: From Metamaterial Concept to Topological Description. <i>Advanced Materials</i> , 2018, 30, e1706683.	21.0	111
9	Flexible Photonic Topological Insulator. <i>Advanced Optical Materials</i> , 2018, 6, 1800532.	7.3	16
10	Splashing transients of 2D plasmons launched by swift electrons. <i>Science Advances</i> , 2017, 3, e1601192.	10.3	69
11	Forward/Backward Switching of Plasmonic Wave Propagation Using Signâ€Reversal Coupling. <i>Advanced Materials</i> , 2017, 29, 1700018.	21.0	31
12	Valley surface-wave photonic crystal and its bulk/edge transport. <i>Physical Review B</i> , 2017, 96, .	3.2	119
13	High-order spoof localized surface plasmons supported on a complementary metallic spiral structure. <i>Scientific Reports</i> , 2016, 6, 24447.	3.3	18
14	Experimental demonstration of broadband reflectionless diffraction-free electromagnetic wave routing. <i>Physical Review B</i> , 2016, 94, .	3.2	2
15	Guiding, bending, and splitting of coupled defect surface modes in a surface-wave photonic crystal. <i>Applied Physics Letters</i> , 2016, 108, 041105.	3.3	30
16	Multi-directional plasmonic surface-wave splitters with full bandwidth isolation. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	19
17	Invisibility Dips of Nearâ€Field Energy Transport in a Spoof Plasmonic Metadimer. <i>Advanced Functional Materials</i> , 2016, 26, 8307-8312.	14.9	37
18	Deep-subwavelength magnetic-coupling-dominant interaction among magnetic localized surface plasmons. <i>Physical Review B</i> , 2016, 93, .	3.2	21

#	ARTICLE	IF	CITATIONS
19	Probing topological protection using a designer surface plasmon structure. Nature Communications, 2016, 7, 11619.	12.8	210
20	Frequency-selective propagation of localized spoof surface plasmons in a graded plasmonic resonator chain. Scientific Reports, 2016, 6, 25576.	3.3	15
21	Complementary structure for designer localized surface plasmons. Applied Physics Letters, 2015, 107, .	3.3	29
22	Vertical transport of subwavelength localized surface electromagnetic modes. Laser and Photonics Reviews, 2015, 9, 571-576.	8.7	36
23	Topological Acoustics. Physical Review Letters, 2015, 114, 114301.	7.8	963
24	Experimental demonstration of high-order magnetic localized spoof surface plasmons. Applied Physics Letters, 2015, 107, .	3.3	28
25	Terahertz Plasmonic Microcavity with High Quality Factor and Ultrasmall Mode Volume. Plasmonics, 2013, 8, 319-324.	3.4	2
26	Highly-Confined Guiding of Terahertz Waves Along Subwavelength Grooves. IEEE Photonics Technology Letters, 2012, 24, 1343-1345.	2.5	22
27	Cross-Diablo Nanoantenna for Localizing and Enhancing Magnetic Field With Arbitrary Polarization. Journal of Lightwave Technology, 2012, 30, 829-833.	4.6	12
28	Wedge mode of spoof surface plasmon polaritons at terahertz frequencies. Journal of Applied Physics, 2010, 108, 113104.	2.5	52