

Kan Yao

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6771301/kan-yao-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

1,308
citations

20
h-index

36
g-index

51
ext. papers

1,627
ext. citations

7.9
avg, IF

5.13
L-index

#	Paper	IF	Citations
44	Room-temperature Observation of Near-intrinsic Exciton Linewidth in Monolayer WS ₂ . <i>Advanced Materials</i> , 2022 , e2108721	24	2
43	Room-Temperature Observation of Near-Intrinsic Exciton Linewidth in Monolayer WS ₂ (Adv. Mater. 15/2022). <i>Advanced Materials</i> , 2022 , 34, 2270115	24	
42	A mixture-density-based tandem optimization network for on-demand inverse design of thin-film high reflectors. <i>Nanophotonics</i> , 2021 ,	6.3	6
41	Tunable Chiral Optics in All-Solid-Phase Reconfigurable Dielectric Nanostructures. <i>Nano Letters</i> , 2021 , 21, 973-979	11.5	21
40	Directional Modulation of Exciton Emission Using Single Dielectric Nanospheres. <i>Advanced Materials</i> , 2021 , 33, e2007236	24	5
39	Plasmonic Nanotweezers and Nanosensors for Point-of-Care Applications. <i>Advanced Optical Materials</i> , 2021 , 9, 2100050	8.1	7
38	Dielectric Nanospheres: Directional Modulation of Exciton Emission Using Single Dielectric Nanospheres (Adv. Mater. 20/2021). <i>Advanced Materials</i> , 2021 , 33, 2170153	24	0
37	Plasmonic Nanotweezers and Nanosensors for Point-of-Care Applications (Advanced Optical Materials 13/2021). <i>Advanced Optical Materials</i> , 2021 , 9, 2170051	8.1	
36	Self-Assembly of Silica-Gold Core-Shell Microparticles by Electric Fields Toward Dynamically Tunable Metamaterials. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 14417-14422	9.5	5
35	Directional light emission by electric and magnetic dipoles near a nanosphere: an analytical approach based on the generalized Mie theory. <i>Optics Letters</i> , 2021 , 46, 302-305	3	5
34	Controlling the polarization of chiral dipolar emission with a spherical dielectric nanoantenna.. <i>Journal of Chemical Physics</i> , 2021 , 155, 224110	3.9	2
33	Precisely Tuning LSPR Property via "Peptide-Encoded" Morphological Evolution of Gold Nanorods for Quantitative Visualization of Enzyme Activity. <i>Analytical Chemistry</i> , 2020 , 92, 1395-1401	7.8	18
32	Harnessing Evanescent Waves by Bianisotropic Metasurfaces. <i>Laser and Photonics Reviews</i> , 2020 , 14, 1900244	8.3	12
31	Deep Convolutional Mixture Density Network for Inverse Design of Layered Photonic Structures. <i>ACS Photonics</i> , 2020 , 7, 2703-2712	6.3	20
30	Intelligent nanophotonics: merging photonics and artificial intelligence at the nanoscale. <i>Nanophotonics</i> , 2019 , 8, 339-366	6.3	138
29	Oriented Assembly of Gold Nanoparticles with Freezing-Driven Surface DNA Manipulation and Its Application in SERS-Based MicroRNA Assay. <i>Small Methods</i> , 2019 , 3, 1900017	12.8	29
28	Near-Ultraviolet Dielectric Metasurfaces: from Surface-Enhanced Circular Dichroism Spectroscopy to Polarization-Preserving Mirrors. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 11814-11822	3.8	27

27	Conformal Singularities and Topological Defects from Inverse Transformation Optics. <i>Physical Review Applied</i> , 2019 , 11,	4.3	8
26	Enhancing circular dichroism by chiral hotspots in silicon nanocube dimers. <i>Nanoscale</i> , 2018 , 10, 8779-8786	6.3	39
25	Graphene-metal hybrid metamaterials for strong and tunable circular dichroism generation. <i>Optics Letters</i> , 2018 , 43, 2636-2639	3	26
24	Infrared Plasmonic Resonators Based on Self-Assembled Core-Shell Particles. <i>ACS Photonics</i> , 2018 , 5, 844-851	6.3	4
23	Nanoradiator-Mediated Deterministic Opto-Thermoelectric Manipulation. <i>ACS Nano</i> , 2018 , 12, 10383-10392	6.3	32
22	Origami-Based Reconfigurable Metamaterials for Tunable Chirality. <i>Advanced Materials</i> , 2017 , 29, 1700412	6.3	129
21	A Broadband Optical Diode for Linearly Polarized Light Using Symmetry-Breaking Metamaterials. <i>Advanced Optical Materials</i> , 2017 , 5, 1700600	8.1	38
20	Deep sub-wavelength nanofocusing of UV-visible light by hyperbolic metamaterials. <i>Scientific Reports</i> , 2016 , 6, 38645	4.9	29
19	Chapter 2 Conformal Mapping in Transformation Optics 2016 , 29-88		
18	Controlling Electric and Magnetic Resonances for Ultracompact Nanoantennas with Tunable Directionality. <i>ACS Photonics</i> , 2016 , 3, 953-963	6.3	33
17	Circular Dichroism Metamirrors with Near-Perfect Extinction. <i>ACS Photonics</i> , 2016 , 3, 2096-2101	6.3	162
16	Manipulating Smith-Purcell Emission with Babinet Metasurfaces. <i>Physical Review Letters</i> , 2016 , 117, 157401	6.3	70
15	Far-field imaging beyond diffraction limit using single sensor in combination with a resonant aperture. <i>Optics Express</i> , 2015 , 23, 401-12	3.3	7
14	Graphene Plasmonic Metasurfaces to Steer Infrared Light. <i>Scientific Reports</i> , 2015 , 5, 12423	4.9	165
13	Plasmonic superlensing in doped GaAs. <i>Nano Letters</i> , 2015 , 15, 1057-61	11.5	41
12	An analogy strategy for transformation optics. <i>New Journal of Physics</i> , 2014 , 16, 063008	2.9	4
11	Wide-range and tunable diffraction management using 2D rectangular lattice photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 1145	1.7	4
10	Plasmonic metamaterials. <i>Nanotechnology Reviews</i> , 2014 , 3,	6.3	49

9	Experimental realization of a broadband conformal mapping lens for directional emission. <i>Applied Physics Letters</i> , 2012 , 100, 261907	3.4	17
8	Collimating lenses from non-Euclidean transformation optics. <i>New Journal of Physics</i> , 2012 , 14, 023011	2.9	9
7	Conformal transformations to achieve unidirectional behavior of light. <i>New Journal of Physics</i> , 2012 , 14, 053023	2.9	11
6	Generalized laws of reflection and refraction from transformation optics. <i>Europhysics Letters</i> , 2012 , 99, 44002	1.6	5
5	Designing feasible optical devices via conformal mapping. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 1037	1.7	36
4	Medium parameters and electromagnetic characteristics of arbitrary polygon cloaks. <i>IET Microwaves, Antennas and Propagation</i> , 2010 , 4, 1672	1.6	4
3	Invisibility Cloaks Modeled by Anisotropic Metamaterials Based on Inductor-Capacitor Networks. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009 , 8, 1154-1157	3.8	14
2	Experimental verification of broadband invisibility using a cloak based on inductor-capacitor networks. <i>Applied Physics Letters</i> , 2009 , 95, 191107	3.4	30
1	Two-dimensional electromagnetic cloaks with non-conformal inner and outer boundaries. <i>Optics Express</i> , 2008 , 16, 19366-74	3.3	41