

Kyu-Tae Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9784761/publications.pdf>

Version: 2024-02-01

44
papers

1,539
citations

361413

20
h-index

302126

39
g-index

44
all docs

44
docs citations

44
times ranked

2069
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Bifacial Color-Tunable Perovskite Solar Cells. <i>Advanced Optical Materials</i> , 2022, 10, 2101696.	7.3	7
2	Manipulation of resonance orders and absorbing materials for structural colors in transmission with improved color purity. <i>Optics Express</i> , 2022, 30, 11740.	3.4	2
3	Strain-Dependent Photoacoustic Characteristics of Free-Standing Carbon-Nanocomposite Transmitters. <i>Sensors</i> , 2022, 22, 3432.	3.8	1
4	Direct Visualization of UV-Light on Polymer Composite Films Consisting of Light Emitting Organic Micro Rods and Polydimethylsiloxane. <i>Polymers</i> , 2022, 14, 1846.	4.5	1
5	Synergistic Effect of Excited State Property and Aggregation Characteristic of Organic Semiconductor on Efficient Hole-Transportation in Perovskite Device. <i>Advanced Functional Materials</i> , 2021, 31, 2007180.	14.9	8
6	Optical cloaking and invisibility: From fiction toward a technological reality. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	16
7	Perovskite Photovoltaic Cells: Synergistic Effect of Excited State Property and Aggregation Characteristic of Organic Semiconductor on Efficient Hole-Transportation in Perovskite Device (Adv.) <i>Tj ETQq1 1 04784314ogBT /Over</i>		
8	Light absorption enhancement in ultrathin perovskite solar cells using light scattering of high-index dielectric nanospheres. <i>Optics Express</i> , 2021, 29, 35366.	3.4	6
9	Hierarchically Nanoporous Pyropolymers Derived from Waste Pinecone as a Pseudocapacitive Electrode for Lithium Ion Hybrid Capacitors. <i>Scientific Reports</i> , 2020, 10, 5817.	3.3	4
10	Laser-generated focused ultrasound transmitters with frequency-tuned outputs over sub-10-MHz range. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	13
11	Semipermanent Copper Nanowire Network with an Oxidation-Proof Encapsulation Layer. <i>Advanced Materials Technologies</i> , 2019, 4, 1800422.	5.8	29
12	Side-Polished Fiber-Optic Line Sensor for High-Frequency Broadband Ultrasound Detection. <i>Sensors</i> , 2019, 19, 398.	3.8	3
13	Nanogap Engineering for Enhanced Transmission of Wire Grid Polarizers in Mid-Wavelength Infrared Region. <i>Scientific Reports</i> , 2019, 9, 4201.	3.3	7
14	Design of Polarization-Independent and Wide-Angle Broadband Absorbers for Highly Efficient Reflective Structural Color Filters. <i>Materials</i> , 2019, 12, 1050.	2.9	13
15	Flexible High-Color-Purity Structural Color Filters Based on a Higher-Order Optical Resonance Suppression. <i>Scientific Reports</i> , 2019, 9, 14917.	3.3	52
16	Wireless, Skin-Mountable EMG Sensor for Human-Machine Interface Application. <i>Micromachines</i> , 2019, 10, 879.	2.9	21
17	Decorative near-infrared transmission filters featuring high-efficiency and angular-insensitivity employing 1D photonic crystals. <i>Nano Research</i> , 2019, 12, 543-548.	10.4	25
18	High-color-purity, angle-invariant, and bidirectional structural colors based on higher-order resonances. <i>Optics Letters</i> , 2019, 44, 86.	3.3	21

#	ARTICLE	IF	CITATIONS
19	Multilayer dielectric mirror-integrated colored hybrid solar cells. , 2018, , .		1
20	Wireless, battery-free, flexible, miniaturized dosimeters monitor exposure to solar radiation and to light for phototherapy. Science Translational Medicine, 2018, 10, .	12.4	91
21	Solution processes for ultrabroadband and omnidirectional graded-index glass lenses with near-zero reflectivity in high concentration photovoltaics. Scientific Reports, 2018, 8, 14907.	3.3	4
22	Graphene- and Carbon-Nanotube-Based Transparent Electrodes for Semitransparent Solar Cells. Materials, 2018, 11, 1503.	2.9	36
23	Selective Photomechanical Detachment and Retrieval of Divided Sister Cells from Enclosed Microfluidics for Downstream Analyses. ACS Nano, 2017, 11, 4660-4668.	14.6	20
24	Engineering Light at the Nanoscale: Structural Color Filters and Broadband Perfect Absorbers. Advanced Optical Materials, 2017, 5, 1700368.	7.3	141
25	Neutral- and Multi-Colored Semitransparent Perovskite Solar Cells. Molecules, 2016, 21, 475.	3.8	56
26	Nanoimprint Lithography: Angle-Insensitive and CMOS-Compatible Subwavelength Color Printing (Advanced Optical Materials 11/2016). Advanced Optical Materials, 2016, 4, 1695-1695.	7.3	1
27	Compact Multilayer Film Structures for Ultrabroadband, Omnidirectional, and Efficient Absorption. ACS Photonics, 2016, 3, 590-596.	6.6	108
28	Angle-Insensitive and CMOS-Compatible Subwavelength Color Printing. Advanced Optical Materials, 2016, 4, 1696-1702.	7.3	38
29	Angular- and polarization-independent structural colors based on 1D photonic crystals. Laser and Photonics Reviews, 2015, 9, 354-362.	8.7	51
30	High-Color-Purity Subtractive Color Filters with a Wide Viewing Angle Based on Plasmonic Perfect Absorbers. Advanced Optical Materials, 2015, 3, 347-352.	7.3	103
31	Colored, see-through perovskite solar cells employing an optical cavity. Journal of Materials Chemistry C, 2015, 3, 5377-5382.	5.5	89
32	Microcavity-Integrated Colored Semitransparent Hybrid Photovoltaics With Improved Efficiency and Color Purity. IEEE Journal of Photovoltaics, 2015, 5, 1654-1658.	2.5	14
33	Colored ultrathin hybrid photovoltaics with high quantum efficiency. Light: Science and Applications, 2014, 3, e215-e215.	16.6	112
34	Optical Simulation of Periodic Surface Texturing on Ultrathin Amorphous Silicon Solar Cells. IEEE Journal of Photovoltaics, 2014, 4, 1337-1342.	2.5	16
35	Ultrathin metal-semiconductor-metal resonator for angle invariant visible band transmission filters. Applied Physics Letters, 2014, 104, .	3.3	73
36	Ultra-thin intrinsic amorphous silicon/organic hybrid structure for decorative photovoltaic applications. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
37	ITO-Free, Compact, Color Liquid Crystal Devices Using Integrated Structural Color Filters and Graphene Electrodes. <i>Advanced Optical Materials</i> , 2014, 2, 435-441.	7.3	40
38	Strong Resonance Effect in a Lossy Medium-Based Optical Cavity for Angle Robust Spectrum Filters. <i>Advanced Materials</i> , 2014, 26, 6324-6328.	21.0	111
39	Decorative power generating panels creating angle insensitive transmissive colors. <i>Scientific Reports</i> , 2014, 4, 4192.	3.3	83
40	Template-Free Vibrational Indentation Patterning (VIP) of Micro/Nanometer-Scale Grating Structures with Real-Time Pitch and Angle Tunability. <i>Advanced Functional Materials</i> , 2013, 23, 4739-4744.	14.9	10
41	Fabrication and Encapsulation of a Short-Period Wire Grid Polarizer with Improved Viewing Angle by the Angled-Evaporation Method. <i>Advanced Optical Materials</i> , 2013, 1, 863-868.	7.3	16
42	Omnidirectional resonance in microcavity for high resolution filter. , 2013, , .		0
43	Angle-insensitive reflective color filters using lossy materials. , 2013, , .		2
44	Continuous and scalable fabrication of flexible metamaterial films via roll-to-roll nanoimprint process for broadband plasmonic infrared filters. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	93