

Mark W Knight

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1256962/mark-w-knight-publications-by-year.pdf>

Version: 2024-04-03

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.

41 papers	8,067 citations	27 h-index	45 g-index
45 ext. papers	9,062 ext. citations	10.3 avg, IF	6.09 L-index

#	Paper	IF	Citations
41	Global Inverse Design across Multiple Photonic Structure Classes Using Generative Deep Learning. <i>Advanced Optical Materials</i> , 2021 , 9, 2100548	8.1	9
40	Multiplexed supercell metasurface design and optimization with tandem residual networks. <i>Nanophotonics</i> , 2021 , 10, 1133-1143	6.3	14
39	Elucidating the Behavior of Nanophotonic Structures through Explainable Machine Learning Algorithms. <i>ACS Photonics</i> , 2020 , 7, 2309-2318	6.3	24
38	Thermally Reconfigurable Meta-Optics. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-16	1.8	8
37	Nanoscale spatial limitations of large-area substrate conformal imprint lithography. <i>Nanotechnology</i> , 2019 , 30, 345301	3.4	18
36	Topological Magnetic-Spin Textures in Two-Dimensional van der Waals CrGeTe. <i>Nano Letters</i> , 2019 , 19, 7859-7865	11.5	56
35	Broadband Electrically Tunable Dielectric Resonators Using MetalInsulator Transitions. <i>ACS Photonics</i> , 2018 , 5, 4056-4060	6.3	33
34	Visible Light, Wide-Angle Graded Metasurface for Back Reflection. <i>ACS Photonics</i> , 2017 , 4, 228-235	6.3	54
33	Optoelectronic Enhancement of Ultrathin CuIn _{1-x} Ga _x Se ₂ Solar Cells by Nanophotonic Contacts. <i>Advanced Optical Materials</i> , 2017 , 5, 1600637	8.1	25
32	Photovoltaic materials: Present efficiencies and future challenges. <i>Science</i> , 2016 , 352, aad4424	33.3	1192
31	Soft imprinted Ag nanowire hybrid electrodes on silicon heterojunction solar cells. <i>Nano Energy</i> , 2016 , 30, 398-406	17.1	13
30	Aluminum nanocrystals. <i>Nano Letters</i> , 2015 , 15, 2751-5	11.5	144
29	Gallium plasmonics: deep subwavelength spectroscopic imaging of single and interacting gallium nanoparticles. <i>ACS Nano</i> , 2015 , 9, 2049-60	16.7	93
28	Fluorescence enhancement of molecules inside a gold nanomatryoshka. <i>Nano Letters</i> , 2014 , 14, 2926-33	11.5	163
27	Thermoplasmonics: quantifying plasmonic heating in single nanowires. <i>Nano Letters</i> , 2014 , 14, 499-503	11.5	100
26	Aluminum for plasmonics. <i>ACS Nano</i> , 2014 , 8, 834-40	16.7	827
25	Vivid, full-color aluminum plasmonic pixels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14348-53	11.5	243

24	The surprising in vivo instability of near-IR-absorbing hollow Au-Ag nanoshells. <i>ACS Nano</i> , 2014 , 8, 3222-31	16.7	131
23	Au nanomatryoshkas as efficient near-infrared photothermal transducers for cancer treatment: benchmarking against nanoshells. <i>ACS Nano</i> , 2014 , 8, 6372-81	16.7	283
22	Three-dimensional plasmonic nanoclusters. <i>Nano Letters</i> , 2013 , 13, 4399-403	11.5	148
21	Dark plasmons in hot spot generation and polarization in interelectrode nanoscale junctions. <i>Nano Letters</i> , 2013 , 13, 1359-64	11.5	81
20	Embedding plasmonic nanostructure diodes enhances hot electron emission. <i>Nano Letters</i> , 2013 , 13, 1687-92	11.5	244
19	Narrowband photodetection in the near-infrared with a plasmon-induced hot electron device. <i>Nature Communications</i> , 2013 , 4, 1643	17.4	425
18	Orienting nanoantennas in three dimensions to control light scattering across a dielectric interface. <i>Nano Letters</i> , 2013 , 13, 5997-6001	11.5	26
17	Designing and deconstructing the Fano lineshape in plasmonic nanoclusters. <i>Nano Letters</i> , 2012 , 12, 1058-62	11.5	187
16	Aluminum plasmonic nanoantennas. <i>Nano Letters</i> , 2012 , 12, 6000-4	11.5	430
15	Photodetection with active optical antennas. <i>Science</i> , 2011 , 332, 702-4	33.3	1465
14	Light-induced release of DNA from gold nanoparticles: nanoshells and nanorods. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12247-55	16.4	299
13	Optically-driven collapse of a plasmonic nanogap self-monitored by optical frequency mixing. <i>Nano Letters</i> , 2010 , 10, 1522-8	11.5	14
12	Influence of excitation and collection geometry on the dark field spectra of individual plasmonic nanostructures. <i>Optics Express</i> , 2010 , 18, 2579-87	3.3	59
11	Light-induced release of DNA from plasmon-resonant nanoparticles: Towards light-controlled gene therapy. <i>Chemical Physics Letters</i> , 2009 , 482, 171-179	2.5	121
10	Substrates matter: influence of an adjacent dielectric on an individual plasmonic nanoparticle. <i>Nano Letters</i> , 2009 , 9, 2188-92	11.5	372
9	Photothermal Efficiencies of Nanoshells and Nanorods for Clinical Therapeutic Applications. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 12090-12094	3.8	268
8	Reshaping the plasmonic properties of an individual nanoparticle. <i>Nano Letters</i> , 2009 , 9, 4326-32	11.5	94
7	Nanoshells to nanoeggs to nanocups: optical properties of reduced symmetry core-shell nanoparticles beyond the quasistatic limit. <i>New Journal of Physics</i> , 2008 , 10, 105006	2.9	154

6	Detailed comparison of LIGO and Virgo inspiral pipelines in preparation for a joint search. <i>Classical and Quantum Gravity</i> , 2008 , 25, 045001	3.3	21
5	A comparison of methods for gravitational wave burst searches from LIGO and Virgo. <i>Classical and Quantum Gravity</i> , 2008 , 25, 045002	3.3	11
4	Nanoparticle-mediated coupling of light into a nanowire. <i>Nano Letters</i> , 2007 , 7, 2346-50	11.5	191
3	A first comparison of search methods for gravitational wave bursts using LIGO and Virgo simulated data. <i>Classical and Quantum Gravity</i> , 2005 , 22, S1293-S1301	3.3	14
2	A first comparison between LIGO and Virgo inspiral search pipelines. <i>Classical and Quantum Gravity</i> , 2005 , 22, S1149-S1158	3.3	6
1	Design, fabrication, and test of a peristaltic micropump. <i>Microsystem Technologies</i> , 2004 , 10, 426-431	1.7	4