

# Dylan Lu

## List of Publications by Year in descending order

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34  
papers

3,072  
citations

361413  
20  
h-index

552781  
26  
g-index

34  
all docs

34  
docs citations

34  
times ranked

5337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lead halide perovskite nanowires stabilized by block copolymers for Langmuir-Blodgett assembly. Nano Research, 2020, 13, 1453-1458.	10.4	26
2	Structural and spectral dynamics of single-crystalline Ruddlesden-Popper phase halide perovskite blue light-emitting diodes. Science Advances, 2020, 6, eaay4045.	10.3	88
3	Self-Assembly of Two-Dimensional Perovskite Nanosheet Building Blocks into Ordered Ruddlesden-Popper Perovskite Phase. Journal of the American Chemical Society, 2019, 141, 13028-13032.	13.7	59
4	Quantitative imaging of anion exchange kinetics in halide perovskites. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12648-12653.	7.1	84
5	Nanostructuring Multilayer Hyperbolic Metamaterials for Ultrafast and Bright Green InGaN Quantum Wells. Advanced Materials, 2018, 30, e1706411.	21.0	49
6	Thermochromic halide perovskite solar cells. Nature Materials, 2018, 17, 261-267.	27.5	630
7	Intrinsic anion diffusivity in lead halide perovskites is facilitated by a soft lattice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11929-11934.	7.1	153
8	Giant Light-Emission Enhancement in Lead Halide Perovskites by Surface Oxygen Passivation. Nano Letters, 2018, 18, 6967-6973.	9.1	59
9	Bacteria photosensitized by intracellular gold nanoclusters for solar fuel production. Nature Nanotechnology, 2018, 13, 900-905.	31.5	362
10	Optimization of Nanopatterned Multilayer Hyperbolic Metamaterials for Spontaneous Light Emission Enhancement. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800263.	1.8	6
11	Electrical and Optical Tunability in All-Inorganic Halide Perovskite Alloy Nanowires. Nano Letters, 2018, 18, 3538-3542.	9.1	51
12	Efficient light generation from enhanced inelastic electron tunnelling. Nature Photonics, 2018, 12, 485-488.	31.4	100
13	Design and Analysis of Blue InGaN/GaN Plasmonic LED for High-Speed, High-Efficiency Optical Communications. ACS Photonics, 2018, 5, 3557-3564.	6.6	22
14	Three-dimensional nanoscale imaging by plasmonic Brownian microscopy. Nanophotonics, 2017, 7, 489-495.	6.0	1
15	Highly stretchable, printable nanowire array optical polarizers. Nanoscale, 2016, 8, 15850-15856.	5.6	7
16	Light emission enhancement by using patterned multilayer hyperbolic metamaterials. , 2015, , .		0
17	Anomalous Weak Scattering in Metal-Semiconductor Multilayer Hyperbolic Metamaterials. Physical Review X, 2015, 5, .	8.9	21
18	External occulter edge scattering control using metamaterials for exoplanet detection. Proceedings of SPIE, 2015, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	Enhanced spontaneous emission from the inside of a multilayer hyperbolic metamaterial (presentation) Tj ETQq1 1 0.784314rgBT /Ower		
20	Enhanced spontaneous emission inside hyperbolic metamaterials. Optics Express, 2014, 22, 4301.	3.4	76
21	Localized surface plasmon assisted contrast microscopy for ultrathin transparent specimens. Applied Physics Letters, 2014, 105, 163102.	3.3	0
22	Ultralow Thermal Conductivity of Multilayers with Highly Dissimilar Debye Temperatures. Nano Letters, 2014, 14, 2448-2455.	9.1	77
23	Enhancing spontaneous emission rates of molecules using nanopatterned multilayer hyperbolic metamaterials. Nature Nanotechnology, 2014, 9, 48-53.	31.5	428
24	High performance multi-scaled nanostructured spectrally selective coating for concentrating solar power. Nano Energy, 2014, 8, 238-246.	16.0	110
25	Wide Field Super-Resolution Surface Imaging through Plasmonic Structured Illumination Microscopy. Nano Letters, 2014, 14, 4634-4639.	9.1	130
26	Nanopatterned Multilayer Hyperbolic Metamaterials for Enhancing Spontaneous Light Emission. , 2014, , .		0
27	Enhanced spontaneous emission by embedding light emitters inside hyperbolic metamaterials. , 2014, , .		0
28	Three-dimensional ZnO/Si broom-like nanowire heterostructures as photoelectrochemical anodes for solar energy conversion. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2561-2568.	1.8	9
29	Strongly Enhanced Fluorescence Decay Rates on Multilayered Plasmonic Metamaterials. , 2012, , .		0
30	Hyperlenses and metalenses for far-field super-resolution imaging. Nature Communications, 2012, 3, 1205.	12.8	468
31	Tunable surface plasmon polaritons in Ag composite films by adding dielectrics or semiconductors. Applied Physics Letters, 2011, 98, 243114.	3.3	26
32	Dynamics of mesoscopic fluctuations of localized waves. Physical Review B, 2010, 81, .	3.2	8
33	Creation of a magnetic plasmon polariton through strong coupling between an artificial magnetic atom and the defect state in a defective multilayer microcavity. Physical Review B, 2008, 77, .	3.2	22
34	Resolving Carrier Dynamics in Metal Halide Perovskites to Elucidate Structural Transformation Mechanisms and the Impact of Structural Heterogeneity on Transport. , 0, , .		0