

# Ye Yu

## List of Publications by Year in descending order

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43  
papers

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citations

304743

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414414

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all docs

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docs citations

44  
times ranked

1672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large Area Plasmonic Color Palettes with Expanded Gamut Using Colloidal Self-Assembly. ACS Photonics, 2016, 3, 627-633.	6.6	81
2	AIE-Active Polyamide Containing Diphenylamine-TPE Moiety with Superior Electrofluorochromic Performance. ACS Applied Materials & Interfaces, 2018, 10, 16105-16112.	8.0	81
3	Plasmonic films based on colloidal lithography. Advances in Colloid and Interface Science, 2014, 206, 5-16.	14.7	70
4	From 1D to 3D: Tunable Sub-10 nm Gaps in Large Area Devices. Advanced Materials, 2016, 28, 2956-2963.	21.0	53
5	Resonant Optical Transmission through Topologically Continuous Films. ACS Nano, 2014, 8, 1566-1575.	14.6	47
6	Janus Si Micropillar Arrays with Thermal-Responsive Anisotropic Wettability for Manipulation of Microfluid Motions. ACS Applied Materials & Interfaces, 2015, 7, 376-382.	8.0	46
7	Responsive Monochromatic Color Display Based on Nanovolcano Arrays. Advanced Optical Materials, 2013, 1, 724-731.	7.3	41
8	Graphene-Assisted Epitaxy of Nitrogen Lattice Polarity GaN Films on Non-Polar Sapphire Substrates for Green Light Emitting Diodes. Advanced Functional Materials, 2020, 30, 2001283.	14.9	41
9	Electroactive (A3+B2)-type hyperbranched polyimides with highly stable and multistage electrochromic behaviors. Electrochimica Acta, 2017, 256, 119-128.	5.2	36
10	Anisotropic Janus Si nanopillar arrays as a microfluidic one-way valve for gas-liquid separation. Nanoscale, 2014, 6, 3846-3853.	5.6	35
11	Polarization-induced hole doping in N-polar III-nitride LED grown by metalorganic chemical vapor deposition. Applied Physics Letters, 2018, 112, .	3.3	34
12	Demonstration of epitaxial growth of strain-relaxed GaN films on graphene/SiC substrates for long wavelength light-emitting diodes. Light: Science and Applications, 2021, 10, 117.	16.6	30
13	Demonstration of N-Polar III-Nitride Tunnel Junction LED. ACS Photonics, 2020, 7, 1723-1728.	6.6	29
14	Nanotransfer printing of gold disk, ring and crescent arrays and their IR range optical properties. Journal of Materials Chemistry C, 2014, 2, 2333.	5.5	28
15	Stacking of colors in exfoliable plasmonic superlattices. Nanoscale, 2016, 8, 18228-18234.	5.6	27
16	Novel 3D Au nanohole arrays with outstanding optical properties. Nanotechnology, 2013, 24, 035303.	2.6	26
17	Sub-10-nm suspended nano-web formation by direct laser writing. Nano Futures, 2018, 2, 025006.	2.2	26
18	Tackling the Scalability Challenge in Plasmonics by Wrinkle-Assisted Colloidal Self-Assembly. Langmuir, 2019, 35, 8629-8645.	3.5	26

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19	Confined surface plasmon sensors based on strongly coupled disk-in-volcano arrays. <i>Nanoscale</i> , 2015, 7, 2317-2324.	5.6	25
20	Fabrication of Binary and Ternary Hybrid Particles Based on Colloidal Lithography. <i>Chemistry of Materials</i> , 2012, 24, 4549-4555.	6.7	24
21	Naked eye plasmonic indicator with multi-responsive polymer brush as signal transducer and amplifier. <i>Nanoscale</i> , 2017, 9, 1925-1933.	5.6	24
22	Asymmetric half-cone/nanohole array films with structural and directional reshaping of extraordinary optical transmission. <i>Nanoscale</i> , 2014, 6, 8997-9005.	5.6	23
23	High-Performance Ultraviolet Light-Emitting Diodes Using n-ZnO/p-hBN/p-GaN Contact Heterojunctions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 6788-6792.	8.0	23
24	Broad-Range Electrically Tunable Plasmonic Resonances of a Multilayer Coaxial Nanohole Array with an Electroactive Polymer Wrapper. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 35244-35252.	8.0	21
25	Enhancement of MoTe <sub>2</sub> near-infrared absorption with gold hollow nanorods for photodetection. <i>Nano Research</i> , 2020, 13, 1636-1643.	10.4	21
26	Significantly improved surface morphology of N-polar GaN film grown on SiC substrate by the optimization of V/III ratio. <i>Applied Physics Letters</i> , 2018, 112, 151607.	3.3	19
27	Morphology-controlled fabrication of elliptical nanoring arrays based on facile colloidal lithography. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1122-1129.	5.5	13
28	Real-Time Control of Uni-Directional Liquid Spreading on a Half-Cone Nanoshell Array. <i>Scientific Reports</i> , 2014, 4, 6751.	3.3	13
29	Ternary Asymmetric Particles with Controllable Patchiness. <i>Langmuir</i> , 2012, 28, 2382-2386.	3.5	12
30	Invertible Nanocup Array Supporting Hybrid Plasmonic Resonances. <i>Advanced Optical Materials</i> , 2016, 4, 906-916.	7.3	11
31	Controlled gradient colloidal photonic crystals and their optical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 428, 9-17.	4.7	10
32	The growth optimization and mechanism of N-polar GaN films with an in situ porous SiN <sub>x</sub> interlayer. <i>CrystEngComm</i> , 2017, 19, 4330-4337.	2.6	10
33	Asymmetric microparticles and heterogeneous microshells via angled colloidal lithography. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 405, 51-58.	4.7	9
34	Mid- and far-infrared localized surface plasmon resonances in chalcogen-hyperdoped silicon. <i>Nanoscale</i> , 2022, 14, 2826-2836.	5.6	9
35	Simulation and fabrication of N-polar GaN-based blue-green light-emitting diodes with p-type AlGaIn electron blocking layer. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 9321-9325.	2.2	8
36	Distorted colloidal arrays as designed template. <i>Nanotechnology</i> , 2015, 26, 035301.	2.6	7

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37	Responsive etalon based on PNIPAM@SiO <sub>2</sub> composite spacer with rapid response rate and excellent repeatability for sensing application. <i>Nanotechnology</i> , 2015, 26, 285501.	2.6	4
38	Synergistic enhancement of photoluminescent intensity in monolayer molybdenum disulfide embedded with plasmonic nanostructures for catalytic sensing. <i>2D Materials</i> , 0, , .	4.4	4
39	Influences on Plasmon Resonance Linewidth in Metal~Insulator~Metal Structures Obtained via Colloidal Self-Assembly. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 56281-56289.	8.0	3
40	Growth of AlGaIn-based multiple quantum wells on SiC substrates. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7756-7762.	2.2	2
41	Design and fabrication of double AlGaIn/GaN distributed Bragg reflector stack mirror for the application of GaN-based optoelectronic devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3277-3282.	2.2	2
42	Large area multi-material-multi-photon 3D printing with fast in-situ material replacement. , 2021, , .		1
43	Plasmonic 3D Self~Folding Architectures via Vacuum Microforming. <i>Small</i> , 2022, 18, 2105843.	10.0	1