

# Xiaoyang Duan

## List of Publications by Year in descending order

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29  
papers

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citations

279487

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citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilizing $\text{I}^{\beta}\text{MgH}_2$ at Nanotwins in Mechanically Constrained Nanoparticles. <i>Advanced Materials</i> , 2021, 33, e2008259.	11.1	16
2	Dimerization and oligomerization of DNA-assembled building blocks for controlled multi-motion in high-order architectures. <i>Nature Communications</i> , 2021, 12, 3207.	5.8	22
3	DNA Programmable Self-Assembly of Planar, Thin-Layered Chiral Nanoparticle Superstructures with Complex Two-Dimensional Patterns. <i>ACS Nano</i> , 2021, 15, 16664-16672.	7.3	20
4	Reconfigurable Multistate Optical Systems Enabled by $\text{VO}_2$ Phase Transitions. <i>ACS Photonics</i> , 2020, 7, 2958-2965.	3.2	41
5	Dynamic plasmonic color generation enabled by functional materials. <i>Science Advances</i> , 2020, 6, .	4.7	94
6	Quantizing single-molecule surface-enhanced Raman scattering with DNA origami metamolecules. <i>Science Advances</i> , 2019, 5, eaau4506.	4.7	118
7	Magnesium for Dynamic Nanoplasmonics. <i>Accounts of Chemical Research</i> , 2019, 52, 1979-1989.	7.6	46
8	DNA-assembled nanoarchitectures with multiple components in regulated and coordinated motion. <i>Science Advances</i> , 2019, 5, eaax6023.	4.7	37
9	A rotary plasmonic nanoclock. <i>Nature Communications</i> , 2019, 10, 5394.	5.8	50
10	Dynamic Plasmonic System That Responds to Thermal and Aptamer-Target Regulations. <i>Nano Letters</i> , 2018, 18, 7395-7399.	4.5	76
11	Scanning Plasmonic Color Display. <i>ACS Nano</i> , 2018, 12, 8817-8823.	7.3	92
12	Self-recording and manipulation of fast long-range hydrogen diffusion in quasifree magnesium. <i>Physical Review Materials</i> , 2018, 2, .	0.9	17
13	Dynamic plasmonic colour display. <i>Nature Communications</i> , 2017, 8, 14606.	5.8	429
14	Chiral plasmonics. <i>Science Advances</i> , 2017, 3, e1602735.	4.7	583
15	DNA-Nanotechnology-Enabled Chiral Plasmonics: From Static to Dynamic. <i>Accounts of Chemical Research</i> , 2017, 50, 2906-2914.	7.6	141
16	Dynamic Color Displays Using Stepwise Cavity Resonators. <i>Nano Letters</i> , 2017, 17, 5555-5560.	4.5	181
17	Plasmonic Toroidal Metamolecules Assembled by DNA Origami. <i>Journal of the American Chemical Society</i> , 2016, 138, 5495-5498.	6.6	165
18	Hydrogen-regulated chiral nanoplasmonics. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1

#	ARTICLE	IF	CITATIONS
19	Hydrogen-Regulated Chiral Nanoplasmonics. <i>Nano Letters</i> , 2016, 16, 1462-1466.	4.5	94
20	A light-driven three-dimensional plasmonic nanosystem that translates molecular motion into reversible chiroptical function. <i>Nature Communications</i> , 2016, 7, 10591.	5.8	259
21	Optically Resolving the Dynamic Walking of a Plasmonic Walker Couple. <i>Nano Letters</i> , 2015, 15, 8392-8396.	4.5	86
22	Understanding complex chiral plasmonics. <i>Nanoscale</i> , 2015, 7, 17237-17243.	2.8	41
23	A plasmonic nanorod that walks on DNA origami. <i>Nature Communications</i> , 2015, 6, 8102.	5.8	257
24	Polarization-insensitive and wide-angle broadband nearly perfect absorber by tunable planar metamaterials in the visible regime. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 125107.	1.0	63
25	Dynamically tunable plasmonically induced transparency in periodically patterned graphene nanostrips. <i>Applied Physics Letters</i> , 2013, 103, 203112.	1.5	249
26	Realization of near-field linear nano-polarizer by asymmetric nanoaperture and bowtie nanoantenna. <i>Optics Express</i> , 2013, 21, 10342.	1.7	6
27	Dynamically tunable plasmonically induced transparency by planar hybrid metamaterial. <i>Optics Letters</i> , 2013, 38, 483.	1.7	61
28	Polarization-insensitive and wide-angle plasmonically induced transparency by planar metamaterials. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	66
29	Polarization insensitive and omnidirectional broadband near perfect planar metamaterial absorber in the near infrared regime. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	137