

Jinwei Shi

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,181
citations

471509

17
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

1928
citing authors

#	ARTICLE	IF	CITATIONS
1	Chirality detection of enantiomers using twisted optical metamaterials. Nature Communications, 2017, 8, 14180.	12.8	375
2	Separation of valley excitons in a MoS2 monolayer using a subwavelength asymmetric groove array. Nature Photonics, 2019, 13, 180-184.	31.4	147
3	Plasmonic Enhancement and Manipulation of Optical Nonlinearity in Monolayer Tungsten Disulfide. Laser and Photonics Reviews, 2018, 12, 1800188.	8.7	64
4	Random Lasing with a High Quality Factor over the Whole Visible Range Based on Cascade Energy Transfer. Advanced Optical Materials, 2014, 2, 88-93.	7.3	57
5	Modular assembly of optical nanocircuits. Nature Communications, 2014, 5, 3896.	12.8	51
6	Single quantum dot controls a plasmonic cavity's scattering and anisotropy. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12288-12292.	7.1	47
7	Tunable plasmonic bound states in the continuum in the visible range. Physical Review B, 2021, 103, .	3.2	43
8	High performance plasmonic random laser based on nanogaps in bimetallic porous nanowires. Applied Physics Letters, 2013, 103, .	3.3	42
9	White light emission with red-green-blue lasing action in a disordered system of nanoparticles. Applied Physics Letters, 2012, 101, .	3.3	40
10	Pulse-duration-dependent and temperature-tunable random lasing in a weakly scattering structure formed by speckles. Physical Review A, 2010, 82, .	2.5	39
11	Broadband Multifunctional Plasmonic Logic Gates. Advanced Optical Materials, 2018, 6, 1701368.	7.3	34
12	Cascaded exciton energy transfer in a monolayer semiconductor lateral heterostructure assisted by surface plasmon polariton. Nature Communications, 2017, 8, 35.	12.8	32
13	Temperature dependence of threshold and gain coefficient of stimulated Brillouin scattering in water. Applied Physics B: Lasers and Optics, 2012, 108, 717-720.	2.2	31
14	Interplay Between Optical Bianisotropy and Magnetism in Plasmonic Metamolecules. Nano Letters, 2016, 16, 4322-4328.	9.1	29
15	Pumping effect of stimulated Brillouin scattering on stimulated Raman scattering in water. Physical Review A, 2009, 80, .	2.5	24
16	Second Harmonic Generation Covering the Entire Visible Range from a 2D Material's Plasmon Hybrid Metasurface. Advanced Optical Materials, 2021, 9, 2100625.	7.3	22
17	Experimental investigation on line width compression of stimulated Brillouin scattering in water. Applied Physics Letters, 2011, 98, 221106.	3.3	21
18	Tuning of Two-Dimensional Plasmon's Exciton Coupling in Full Parameter Space: A Polaritonic Non-Hermitian System. Nano Letters, 2021, 21, 2596-2602.	9.1	21

#	ARTICLE	IF	CITATIONS
19	Engineering Giant Rabi Splitting via Strong Coupling between Localized and Propagating Plasmon Modes on Metal Surface Lattices: Observation of \sqrt{N} Scaling Rule. Nano Letters, 2021, 21, 605-611.	9.1	17
20	Broadband Absorption Enhancement in Polymer Solar Cells Using Highly Efficient Plasmonic Heterostructured Nanocrystals. ACS Applied Materials & Interfaces, 2018, 10, 30919-30924.	8.0	16
21	Stimulated Raman scattering enhanced by stimulated Brillouin scattering. Optics Letters, 2009, 34, 977.	3.3	10
22	Amplification of stimulated Brillouin scattering of two collinear pulsed laser beams with orthogonal polarizations. Applied Optics, 2009, 48, 3232.	2.1	4
23	Investigations on coherence of stimulated Brillouin scattering excited by a single-mode-pulsed laser. Applied Physics B: Lasers and Optics, 2012, 109, 137-141.	2.2	4
24	Theoretical investigation on the pumping effect of stimulated Brillouin scattering on stimulated Raman scattering in water. Applied Physics B: Lasers and Optics, 2012, 106, 445-451.	2.2	4
25	Broadband Surface-Enhanced Photoluminescence Based on Gold Nanocubic Self-Assembly. Advanced Optical Materials, 2017, 5, 1700551.	7.3	4
26	Efficient four-wave mixing based on multiple plasmonic resonance. Optics Letters, 2021, 46, 4522.	3.3	2
27	Electromagnetic detection of a perfect cloak based on the material nonlinear response. Applied Physics B: Lasers and Optics, 2011, 105, 225-229.	2.2	1