Lili Tao

List of Publications by Year in Descending Order

45 papers	1,290 citations	18 h-index	35 g-index
49 ext. papers	1,613 ext. citations	7.5 avg, IF	4.83 L-index

#	Paper	IF	Citations
45	Nonlinear optical properties of PtTe2 based saturable absorbers for ultrafast photonics. *Journal of Materials Chemistry C*, **2022**, 10, 5124-5133	7.1	2
44	Non-Layered Te/In S Tunneling Heterojunctions with Ultrahigh Photoresponsivity and Fast Photoresponse.. *Small*, **2022**, e2200445	11	3
43	Novel two-dimensional semi-metallic NiTe2 based saturable absorber for ultrafast mode-locked fiber laser. *Infrared Physics and Technology*, **2022**, 104195	2.7	1
42	Two-dimensional palladium ditelluride: a novel saturable absorption material for ultrafast fiber lasers. *Infrared Physics and Technology*, **2021**, 103962	2.7	1
41	Preparation of ultrathin ReS2 nanosheets and their application to Q-switched Er-doped fiber lasers. *Frontiers of Information Technology and Electronic Engineering*, **2021**, 22, 296-302	2.2	2
40	Nonlayered In2S3/Al2O3/CsPbBr3 Quantum Dot Heterojunctions for Sensitive and Stable Photodetectors. *ACS Applied Nano Materials*, **2021**, 4, 5106-5114	5.6	2
39	Tunable upconversion of holmium sublattice through interfacial energy transfer for anti-counterfeiting. *Nanoscale*, **2021**, 13, 4812-4820	7.7	10
38	NIR II-responsive photon upconversion through energy migration in an ytterbium sublattice. *Nature Photonics*, **2020**, 14, 760-766	33.9	98
37	Ultrafast pulse generation based on the 2D analogue of black phosphorus□eS. *OSA Continuum*, **2020**, 3, 658	1.4	4
36	Tri-channel photon emission of lanthanides in lithium-sublattice core-shell nanostructures for multiple anti-counterfeiting. *Chemical Engineering Journal*, **2020**, 397, 125451	14.7	15
35	2D van der Waals heterostructures: processing, optical properties and applications in ultrafast photonics. *Materials Horizons*, **2020**, 7, 2903-2921	14.4	18
34	Optical limiting properties of a few-layer MoS2/PMMA composite under excitation of ultrafast laser pulses. *Journal of Materials Chemistry C*, **2019**, 7, 495-502	7.1	29
33	Emerging 2D materials beyond graphene for ultrashort pulse generation in fiber lasers. *Nanoscale*, **2019**, 11, 2577-2593	7.7	187
32	Controllable growth of large-area atomically thin ReS2 films and their thickness-dependent optoelectronic properties. *Applied Physics Letters*, **2019**, 114, 153102	3.4	14
31	Q-switched ytterbium fiber laser based on rhenium diselenide as a saturable absorber. *Journal Physics D: Applied Physics*, **2019**, 52, 465101	3	4
30	Thickness-Dependent Optical Properties and In-Plane Anisotropic Raman Response of the 2D □In2S3. *Advanced Optical Materials*, **2019**, 7, 1901085	8.1	25
29	Luminescence: Probing Energy Migration through Precise Control of Interfacial Energy Transfer in Nanostructure (Adv. Mater. 6/2019). *Advanced Materials*, **2019**, 31, 1970041	24	9

28	Probing Energy Migration through Precise Control of Interfacial Energy Transfer in Nanostructure. *Advanced Materials*, **2019**, 31, e1806308	24	27
27	Tunable Polarity Behavior and High-Performance Photosensitive Characteristics in Schottky-Barrier Field-Effect Transistors Based on Multilayer WS. *ACS Applied Materials & Interfaces*, **2018**, 10, 2745-2751	9.5	13
26	Enabling Photon Upconversion and Precise Control of Donor-Acceptor Interaction through Interfacial Energy Transfer. *Advanced Science*, **2018**, 5, 1700667	13.6	65
25	Controlling Upconversion: Enabling Photon Upconversion and Precise Control of Donor-Acceptor Interaction through Interfacial Energy Transfer (Adv. Sci. 3/2018). *Advanced Science*, **2018**, 5, 1870016	13.6	1
24	Direct growth of Cu2ZnSnS4 on three-dimensional porous reduced graphene oxide thin films as counter electrode with high conductivity and excellent catalytic activity for dye-sensitized solar cells. *Journal of Materials Science*, **2018**, 53, 2748-2757	4.3	13
23	Silver nanoparticle-decorated graphene oxide for surface-enhanced Raman scattering detection and optical limiting applications. *Journal of Materials Science*, **2018**, 53, 573-580	4.3	10
22	Vertically standing PtSe2 film: a saturable absorber for a passively mode-locked Nd:LuVO4 laser. *Photonics Research*, **2018**, 6, 750	6	47
21	Technique and model for modifying the saturable absorption (SA) properties of 2D nanofilms by considering interband exciton recombination. *Journal of Materials Chemistry C*, **2018**, 6, 7501-7511	7.1	27
20	Graphene/In2S3 van der Waals Heterostructure for Ultrasensitive Photodetection. *ACS Photonics*, **2018**, 5, 4912-4919	6.3	28
19	Hydrothermal synthesis of WSe2 films and their application in high-performance photodetectors. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	8
18	Self-sensitization induced upconversion of Er in core-shell nanoparticles. *Nanoscale*, **2018**, 10, 17949-17957	7.7	55
17	Synthesis of Submillimeter-Scale Single Crystal Stannous Sulfide Nanoplates for Visible and Near-Infrared Photodetectors with Ultrahigh Responsivity. *Advanced Electronic Materials*, **2018**, 4, 1800154	6.4	13
16	Colloidally synthesized MoSe2 nano-flowers anchored on three-dimensional porous reduced graphene oxide thin films as advanced counter electrode for dye-sensitized solar cells. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 15418-15422	2.1	5
15	Passively Q-Switched Nd:YVO4 Laser Using WS2 Saturable Absorber Fabricated by Radio Frequency Magnetron Sputtering Deposition. *Journal of Lightwave Technology*, **2017**, 35, 4120-4124	4	27
14	Enhanced Photocatalytic Activity of WS Film by Laser Drilling to Produce Porous WS/WO Heterostructure. *Scientific Reports*, **2017**, 7, 3125	4.9	25
13	Constructing Interfacial Energy Transfer for Photon Up- and Down-Conversion from Lanthanides in a Core-Shell Nanostructure. *Angewandte Chemie - International Edition*, **2016**, 55, 12356-60	16.4	93
12	High-responsivity UV-Vis Photodetector Based on Transferable WS2 Film Deposited by Magnetron Sputtering. *Scientific Reports*, **2016**, 6, 20343	4.9	156
11	Effect of laser illumination on the morphology and optical property of few-layer MoS2 nanosheet in NMP and PMMA. *Journal of Materials Chemistry C*, **2016**, 4, 678-683	7.1	16

10	Innenrücktitelbild: Constructing Interfacial Energy Transfer for Photon Up- and Down-Conversion from Lanthanides in a Core–Shell Nanostructure (Angew. Chem. 40/2016). *Angewandte Chemie*, **2016**, 128, 12731-12731	3.6	
9	Constructing Interfacial Energy Transfer for Photon Up- and Down-Conversion from Lanthanides in a Core–Shell Nanostructure. *Angewandte Chemie*, **2016**, 128, 12544-12548	3.6	11
8	High-power passively mode-locked Nd:YVO(4) laser using SWCNT saturable absorber fabricated by dip coating method. *Optics Express*, **2015**, 23, 4880-6	3.3	10
7	Preparation and characterization of few-layer MoS2 nanosheets and their good nonlinear optical responses in the PMMA matrix. *Nanoscale*, **2014**, 6, 9713-9	7.7	76
6	Fabrication of Covalently Functionalized Graphene Oxide Incorporated Solid-State Hybrid Silica Gel Glasses and Their Improved Nonlinear Optical Response. *Journal of Physical Chemistry C*, **2013**, 117, 23108-23116	3.8	47
5	Core–shell nanoarchitecture: a strategy to significantly enhance white-light upconversion of lanthanide-doped nanoparticles. *Journal of Materials Chemistry C*, **2013**, 1, 4313	7.1	57
4	Upconversion Luminescence of Tm3+/Yb3+ Codoped Oxyfluoride Glass Ceramics Containing Ba2YbF7 Nanocrystals. *Integrated Ferroelectrics*, **2013**, 142, 31-36	0.8	5
3	Superbroadband NIR Photoluminescence in ${rm Nd}^{3+}/{rm Tm}^{3+}/{rm Er}^{3+}$ Codoped Fluorotellurite Glasses. *IEEE Photonics Technology Letters*, **2012**, 24, 924-926	2.2	9
2	Intense Near-UV Upconversion Luminescence in ${rm Tm}^{3+}/{rm Yb}^{3+}$ Co-Doped Low-Phonon-Energy Lithium Gallogermanate Oxide Glass. *IEEE Photonics Technology Letters*, **2012**, 24, 1726-1729	2.2	12
1	High-quality two-dimensional tellurium flakes grown by high-temperature vapor deposition. *Journal of Materials Chemistry C*,	7.1	2