

# Lili Tao

## List of Publications by Citations

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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	Emerging 2D materials beyond graphene for ultrashort pulse generation in fiber lasers. <i>Nanoscale</i> , <b>2019</b> , 11, 2577-2593	7.7	187
44	High-responsivity UV-Vis Photodetector Based on Transferable WS <sub>2</sub> Film Deposited by Magnetron Sputtering. <i>Scientific Reports</i> , <b>2016</b> , 6, 20343	4.9	156
43	NIR II-responsive photon upconversion through energy migration in an ytterbium sublattice. <i>Nature Photonics</i> , <b>2020</b> , 14, 760-766	33.9	98
42	Constructing Interfacial Energy Transfer for Photon Up- and Down-Conversion from Lanthanides in a Core-Shell Nanostructure. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 12356-60	16.4	93
41	Preparation and characterization of few-layer MoS <sub>2</sub> nanosheets and their good nonlinear optical responses in the PMMA matrix. <i>Nanoscale</i> , <b>2014</b> , 6, 9713-9	7.7	76
40	Enabling Photon Upconversion and Precise Control of Donor-Acceptor Interaction through Interfacial Energy Transfer. <i>Advanced Science</i> , <b>2018</b> , 5, 1700667	13.6	65
39	Core-shell nanoarchitecture: a strategy to significantly enhance white-light upconversion of lanthanide-doped nanoparticles. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 4313	7.1	57
38	Self-sensitization induced upconversion of Er in core-shell nanoparticles. <i>Nanoscale</i> , <b>2018</b> , 10, 17949-17957	7.7	55
37	Vertically standing PtSe <sub>2</sub> film: a saturable absorber for a passively mode-locked Nd:LuVO <sub>4</sub> laser. <i>Photonics Research</i> , <b>2018</b> , 6, 750	6	47
36	Fabrication of Covalently Functionalized Graphene Oxide Incorporated Solid-State Hybrid Silica Gel Glasses and Their Improved Nonlinear Optical Response. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 23108-23116	3.8	47
35	Optical limiting properties of a few-layer MoS <sub>2</sub> /PMMA composite under excitation of ultrafast laser pulses. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 495-502	7.1	29
34	Graphene/In <sub>2</sub> S <sub>3</sub> van der Waals Heterostructure for Ultrasensitive Photodetection. <i>ACS Photonics</i> , <b>2018</b> , 5, 4912-4919	6.3	28
33	Technique and model for modifying the saturable absorption (SA) properties of 2D nanofilms by considering interband exciton recombination. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 7501-7511	7.1	27
32	Passively Q-Switched Nd:YVO <sub>4</sub> Laser Using WS <sub>2</sub> Saturable Absorber Fabricated by Radio Frequency Magnetron Sputtering Deposition. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 4120-4124	4	27
31	Probing Energy Migration through Precise Control of Interfacial Energy Transfer in Nanostructure. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806308	24	27
30	Thickness-Dependent Optical Properties and In-Plane Anisotropic Raman Response of the 2D In <sub>2</sub> S <sub>3</sub> . <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901085	8.1	25
29	Enhanced Photocatalytic Activity of WS <sub>2</sub> Film by Laser Drilling to Produce Porous WS <sub>2</sub> /WO <sub>3</sub> Heterostructure. <i>Scientific Reports</i> , <b>2017</b> , 7, 3125	4.9	25

28	2D van der Waals heterostructures: processing, optical properties and applications in ultrafast photonics. <i>Materials Horizons</i> , <b>2020</b> , 7, 2903-2921	14.4	18
27	Effect of laser illumination on the morphology and optical property of few-layer MoS2 nanosheet in NMP and PMMA. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 678-683	7.1	16
26	Tri-channel photon emission of lanthanides in lithium-sublattice core-shell nanostructures for multiple anti-counterfeiting. <i>Chemical Engineering Journal</i> , <b>2020</b> , 397, 125451	14.7	15
25	Controllable growth of large-area atomically thin ReS2 films and their thickness-dependent optoelectronic properties. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 153102	3.4	14
24	Tunable Polarity Behavior and High-Performance Photosensitive Characteristics in Schottky-Barrier Field-Effect Transistors Based on Multilayer WS. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 2745-2751	9.5	13
23	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. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 2748-2757	4.3	13
22	Synthesis of Submillimeter-Scale Single Crystal Stannous Sulfide Nanoplates for Visible and Near-Infrared Photodetectors with Ultrahigh Responsivity. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1800154	6.4	13
21	Intense Near-UV Upconversion Luminescence in $\text{Tm}^{3+}/\text{Yb}^{3+}$ Co-Doped Low-Phonon-Energy Lithium Gallogermanate Oxide Glass. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1726-1729	2.2	12
20	Constructing Interfacial Energy Transfer for Photon Up- and Down-Conversion from Lanthanides in a Core/Shell Nanostructure. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12544-12548	3.6	11
19	High-power passively mode-locked Nd:YVO(4) laser using SWCNT saturable absorber fabricated by dip coating method. <i>Optics Express</i> , <b>2015</b> , 23, 4880-6	3.3	10
18	Silver nanoparticle-decorated graphene oxide for surface-enhanced Raman scattering detection and optical limiting applications. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 573-580	4.3	10
17	Tunable upconversion of holmium sublattice through interfacial energy transfer for anti-counterfeiting. <i>Nanoscale</i> , <b>2021</b> , 13, 4812-4820	7.7	10
16	Superbroadband NIR Photoluminescence in $\text{Nd}^{3+}/\text{Tm}^{3+}/\text{Er}^{3+}$ Codoped Fluorotellurite Glasses. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 924-926	2.2	9
15	Luminescence: Probing Energy Migration through Precise Control of Interfacial Energy Transfer in Nanostructure (Adv. Mater. 6/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970041	24	9
14	Hydrothermal synthesis of WSe2 films and their application in high-performance photodetectors. <i>Applied Physics A: Materials Science and Processing</i> , <b>2018</b> , 124, 1	2.6	8
13	Colloidally synthesized MoSe2 nano-flowers anchored on three-dimensional porous reduced graphene oxide thin films as advanced counter electrode for dye-sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 15418-15422	2.1	5
12	Upconversion Luminescence of $\text{Tm}^{3+}/\text{Yb}^{3+}$ Codoped Oxyfluoride Glass Ceramics Containing Ba2YbF7 Nanocrystals. <i>Integrated Ferroelectrics</i> , <b>2013</b> , 142, 31-36	0.8	5
11	Q-switched ytterbium fiber laser based on rhenium diselenide as a saturable absorber. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 465101	3	4

10	Ultrafast pulse generation based on the 2D analogue of black phosphorusTeS. <i>OSA Continuum</i> , <b>2020</b> , 3, 658	1.4	4
9	Non-Layered Te/In S Tunneling Heterojunctions with Ultrahigh Photoresponsivity and Fast Photoresponse.. <i>Small</i> , <b>2022</b> , e2200445	11	3
8	Preparation of ultrathin ReS <sub>2</sub> nanosheets and their application to Q-switched Er-doped fiber lasers. <i>Frontiers of Information Technology and Electronic Engineering</i> , <b>2021</b> , 22, 296-302	2.2	2
7	Nonlayered In <sub>2</sub> S <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> /CsPbBr <sub>3</sub> Quantum Dot Heterojunctions for Sensitive and Stable Photodetectors. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 5106-5114	5.6	2
6	High-quality two-dimensional tellurium flakes grown by high-temperature vapor deposition. <i>Journal of Materials Chemistry C</i> ,	7.1	2
5	Nonlinear optical properties of PtTe <sub>2</sub> based saturable absorbers for ultrafast photonics. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 5124-5133	7.1	2
4	Controlling Upconversion: Enabling Photon Upconversion and Precise Control of Donor-Acceptor Interaction through Interfacial Energy Transfer (Adv. Sci. 3/2018). <i>Advanced Science</i> , <b>2018</b> , 5, 1870016	13.6	1
3	Two-dimensional palladium ditelluride: a novel saturable absorption material for ultrafast fiber lasers. <i>Infrared Physics and Technology</i> , <b>2021</b> , 103962	2.7	1
2	Novel two-dimensional semi-metallic NiTe <sub>2</sub> based saturable absorber for ultrafast mode-locked fiber laser. <i>Infrared Physics and Technology</i> , <b>2022</b> , 104195	2.7	1
1	Innenrücktitelbild: Constructing Interfacial Energy Transfer for Photon Up- and Down-Conversion from Lanthanides in a Core-Shell Nanostructure (Angew. Chem. 40/2016). <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12731-12731	3.6	