

# Leyong Jiang

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Photoelectric Visual Adaptation Based on $0D\text{-}CsPbBr_3\text{-}Quantum\text{-}2D\text{-}MoS_2$ Mixed-Dimensional Heterojunction Transistor. <i>Advanced Functional Materials</i> , 2021, 31, 2010655.	14.9	93
2	Vertical $0D\text{-}Perovskite/2D\text{-}MoS_2$ van der Waals Heterojunction Phototransistor for Emulating Photoelectric-Synergistically Classical Pavlovian Conditioning and Neural Coding Dynamics. <i>Small</i> , 2020, 16, e2005217.	10.0	87
3	Tuning and Sensitivity Enhancement of Surface Plasmon Resonance Biosensor With Graphene Covered Au-MoS <sub>2</sub> -Au Films. <i>IEEE Photonics Journal</i> , 2016, 8, 1-8.	2.0	85
4	Tunable perfect absorption at infrared frequencies by a graphene-hBN hyper crystal. <i>Optics Express</i> , 2016, 24, 17103.	3.4	74
5	Electrically Tunable Goos-Hänchen Shift of Light Beam Reflected From a Graphene-on-Dielectric Surface. <i>IEEE Photonics Journal</i> , 2013, 5, 6500108-6500108.	2.0	55
6	Low threshold optical bistability in one-dimensional gratings based on graphene plasmonics. <i>Optics Express</i> , 2017, 25, 5972.	3.4	53
7	Enhancing and tuning absorption properties of microwave absorbing materials using metamaterials. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	45
8	Manipulating the optical bistability at terahertz frequency in the Fabry-Perot cavity with graphene. <i>Optics Express</i> , 2015, 23, 31181.	3.4	32
9	High-Sensitivity Terahertz Refractive Index Sensor in a Multilayered Structure with Graphene. <i>Nanomaterials</i> , 2020, 10, 500.	4.1	19
10	Enhanced and controllable Goos-Hänchen shift with graphene surface plasmon in the terahertz regime. <i>Optics Communications</i> , 2019, 452, 227-232.	2.1	18
11	A High Failure-Current Gate-Controlled Dual-Direction SCR for High-Voltage ESD Protection in 0.18- $\mu$ m BCD Technology. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021, 9, 994-1001.	5.4	18
12	Tunable Goos-Hänchen Shift Surface Plasmon Resonance Sensor Based on Graphene-hBN Heterostructure. <i>Biosensors</i> , 2021, 11, 201.	4.7	17
13	Low threshold optical bistability based on topological edge state in photonic crystal heterostructure with Dirac semimetal. <i>Optics Express</i> , 2022, 30, 20847.	3.4	13
14	Tunable GH shifts in Weyl thin films on a Weyl substrate. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	12
15	Low-Threshold and Tunable Optical Bistability Based on Topological Edge State in One-Dimensional Photonic Crystal Heterostructure With Graphene. <i>IEEE Access</i> , 2020, 8, 196386-196393.	4.2	11
16	Determination of tilt degree and Weyl-node separation by the spatial Imbert-Fedorov shift near the Brewster angle. <i>Physical Review A</i> , 2022, 105, .	2.5	10
17	Tunable and enhanced Faraday rotation induced by the epsilon-near-zero response of a Weyl semimetal. <i>Physical Review A</i> , 2022, 105, .	2.5	10
18	Tunable and Multichannel Terahertz Perfect Absorber Due to Tamm Plasmons with Topological Insulators. <i>Plasmonics</i> , 2020, 15, 83-91.	3.4	9

#	ARTICLE	IF	CITATIONS
19	Improved Microwave Absorption of Carbonyl Iron Powder by the Array of Subwavelength Metallic Cut Wires. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 441-445.	2.9	8
20	Optical bistability modulation based on the photonic crystal Fabry-Pérot cavity with graphene. Optics Letters, 2022, 47, 2125.	3.3	8
21	High Sensitivity Terahertz Biosensor Based on Mode Coupling of a Graphene/Bragg Reflector Hybrid Structure. Biosensors, 2021, 11, 377.	4.7	6
22	Magnetically tunable and enhanced spin Hall effect of reflected light in a multilayer structure containing anisotropic graphene. Optics Express, 2022, 30, 18617.	3.4	6
23	Enhanced Group Delay of the Pulse Reflection with Graphene Surface Plasmon via Modified Otto Configuration. Advances in Condensed Matter Physics, 2017, 2017, 1-8.	1.1	4
24	Theoretical Model for a Highly Sensitive Near Infrared Biosensor Based on Bloch Surface Wave with Dirac Semimetal. Biosensors, 2021, 11, 390.	4.7	4
25	Enhanced Reflected Group Delay with Optical Tamm State via Graphene-Dielectric Bragg Mirror Configuration. Advances in Condensed Matter Physics, 2019, 2019, 1-6.	1.1	3
26	Tunable Optical Bistability in One-Dimensional Photonic Crystal with a Nonlinear Defect Coupled by Graphene Sheets. Advances in Condensed Matter Physics, 2017, 2017, 1-6.	1.1	2
27	Neuromorphic Photoelectric Devices: Vertical 0D-Perovskite/2D-MoS <sub>2</sub> van der Waals Heterojunction Phototransistor for Emulating Photoelectrically Synergistically Classical Pavlovian Conditioning and Neural Coding Dynamics (Small 45/2020). Small, 2020, 16, 2070244.	10.0	2
28	Tunable Superluminal and Subluminal Reflected Group Delay in an Air-Weyl Semimetal Film-Weyl Semimetal Substrate Layered System. IEEE Journal of Quantum Electronics, 2022, 58, 1-6.	1.9	1
29	Tunable Low Threshold Optical Tristability at Terahertz Frequencies via a Pair of Parallel Graphene Layers Configuration. Advances in Condensed Matter Physics, 2018, 2018, 1-6.	1.1	0