

Elodie Strupiechonski

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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docs citations

20
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296
citing authors

#	ARTICLE	IF	CITATIONS
1	Limiting Factors to the Temperature Performance of THz Quantum Cascade Lasers Based on the Resonant-Phonon Depopulation Scheme. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 83-92.	3.1	59
2	Broadband, Ultra-High-Responsive Monolayer MoS ₂ /SnS ₂ Quantum-Dot-Based Mixed-Dimensional Photodetector. ACS Applied Materials & Interfaces, 2022, 14, 15415-15425.	8.0	40
3	Gate-Tunable Emission of Exciton-Plasmon Polaritons in Hybrid MoS ₂ -Gap-Mode Metasurfaces. ACS Photonics, 2019, 6, 1594-1601.	6.6	34
4	Sub-diffraction-limit semiconductor resonators operating on the fundamental magnetic resonance. Applied Physics Letters, 2012, 100, .	3.3	25
5	Vertical subwavelength mode confinement in terahertz and mid-infrared quantum cascade lasers. Applied Physics Letters, 2011, 98, .	3.3	22
6	High order sideband generation in terahertz quantum cascade lasers. Applied Physics Letters, 2013, 102, .	3.3	16
7	Direct growth of monolayer 1Tâ€²H MoS ₂ heterostructures using KCl-assisted CVD process. 2D Materials, 2021, 8, 025033.	4.4	16
8	Low temperature near-field scanning optical microscopy on infrared and terahertz photonic-crystal quantum cascade lasers. Applied Physics Letters, 2011, 98, .	3.3	13
9	Hybrid electronic-photonic subwavelength cavities operating at terahertz frequencies. Physical Review B, 2013, 87, .	3.2	11
10	Hybrid MoS ₂ -gap-mode metasurface photodetectors. Journal Physics D: Applied Physics, 2019, 52, 374001.	2.8	11
11	Logic gates for terahertz frequencies fabricated by three-dimensional printing. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 3660.	2.1	5
12	MoSe ₂ monolayer crystallinity improvement and phase engineering for ultrasensitive SERS detection. FlatChem, 2021, 29, 100282.	5.6	3
13	Low temperature transport spectroscopy of defects using Schottky-barrier MOSFETs. Physica B: Condensed Matter, 2009, 404, 5136-5139.	2.7	0
14	Vertical Sub-Wavelength Mode Confinement in THz Quantum Cascade Lasers. , 2011, , .		0
15	Photonic heterostructures: A new concept for high power surface emission in THz quantum cascade lasers. , 2011, , .		0
16	High order optical sideband generation with Terahertz quantum cascade lasers. , 2013, , .		0
17	Enhancing the Gain by Quantum Coherence in Terahertz Quantum Cascade Lasers. , 2014, , .		0
18	Modeling and design of Al _{0.25} Ga _{0.75} As/GaAs terahertz quantum cascade lasers with a realistic band structure. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Active metasurfaces for broadband terahertz detection at room temperature. , 2017, , .		0
20	Sub-diffraction-limit resonators operating on the fundamental monopolar resonance: application to THz polaritons. , 2012, , .		0