Elodie Strupiechonski

List of Publications by Year
in descending order

20	255	933447 10	1199594 12
papers	citations	h-index	g-index

20	20	20	296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Broadband, Ultra-High-Responsive Monolayer MoS₂/SnS₂ Quantum-Dot-Based Mixed-Dimensional Photodetector. ACS Applied Materials & Interfaces, 2022, 14, 15415-15425.	8.0	40
2	Direct growth of monolayer 1Tâ€“2H MoS₂ heterostructures using KCl-assisted CVD process. 2D Materials, 2021, 8, 025033.	4.4	16
3	MoSe2 monolayer crystallinity improvement and phase engineering for ultrasensitive SERS detection. FlatChem, 2021, 29, 100282.	5.6	3
4	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
5	Hybrid MoS2-gap-mode metasurface photodetectors. Journal Physics D: Applied Physics, 2019, 52, 374001.	2.8	11
6	Gate-Tunable Emission of Excitonâ€“Plasmon Polaritons in Hybrid MoS₂-Gap-Mode Metasurfaces. ACS Photonics, 2019, 6, 1594-1601.	6.6	34
7	Modeling and design of Al<inf>0.25</inf>Ga<inf>0.75</inf>As/GaAs terahertz quantum cascade lasers with a realistic band structure. , 2017, , .		0
8	Active metasurfaces for broadband terahertz detection at room temperature. , 2017, , .		0
9	Enhancing the Gain by Quantum Coherence in Terahertz Quantum Cascade Lasers. , 2014, , .		0
10	Hybrid electronic-photonic subwavelength cavities operating at terahertz frequencies. Physical Review B, 2013, 87, .	3.2	11
11	High order sideband generation in terahertz quantum cascade lasers. Applied Physics Letters, 2013, 102, .	3.3	16
12	High order optical sideband generation with Terahertz quantum cascade lasers. , 2013, , .		0
13	Sub-diffraction-limit semiconductor resonators operating on the fundamental magnetic resonance. Applied Physics Letters, 2012, 100, .	3.3	25
14	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
15	Sub-diffraction-limit resonators operating on the fundamental monopolar resonance: application to THz polaritons. , 2012, , .		0
16	Vertical Sub-Wavelength Mode Confinement in THz Quantum Cascade Lasers. , 2011, , .		0
17	Low temperature near-field scanning optical microscopy on infrared and terahertz photonic-crystal quantum cascade lasers. Applied Physics Letters, 2011, 98, .	3.3	13
18	Photonic heterostructures: A new concept for high power surface emission in THz quantum cascade lasers. , 2011, , .		0

#	Article	IF	Citations
19	Vertical subwavelength mode confinement in terahertz and mid-infrared quantum cascade lasers. Applied Physics Letters, 2011, 98, .	3.3	22
20	Low temperature transport spectroscopy of defects using Schottky-barrier MOSFETs. Physica B: Condensed Matter, 2009, 404, 5136-5139.	2.7	0