Daniela Stange

List of Publications by Year in descending order

17 papers	**621** citations	1040056 **9** h-index	1199594 **12** g-index
17 all docs	**17** docs citations	**17** times ranked	**562** citing authors

#	Article	IF	Citations
1	Optically Pumped GeSn Microdisk Lasers on Si. ACS Photonics, 2016, 3, 1279-1285.	6.6	195
2	Short-wave infrared LEDs from GeSn/SiGeSn multiple quantum wells. Optica, 2017, 4, 185.	9.3	90
3	GeSn/SiGeSn Heterostructure and Multi Quantum Well Lasers. ACS Photonics, 2018, 5, 4628-4636.	6.6	84
4	Advanced GeSn/SiGeSn Group IV Heterostructure Lasers. Advanced Science, 2018, 5, 1700955.	11.2	61
5	Impact of tensile strain on low Sn content GeSn lasing. Scientific Reports, 2019, 9, 259.	3.3	49
6	SiGeSn Ternaries for Efficient Group IV Heterostructure Light Emitters. Small, 2017, 13, 1603321.	10.0	40
7	High-k Gate Stacks on Low Bandgap Tensile Strained Ge and GeSn Alloys for Field-Effect Transistors. ACS Applied Materials & Interfaces, 2015, 7, 62-67.	8.0	36
8	Investigation of carrier confinement in direct bandgap GeSn/SiGeSn 2D and 0D heterostructures. Scientific Reports, 2018, 8, 15557.	3.3	36
9	Epitaxy of Si-Ge-Sn-based heterostructures for CMOS-integratable light emitters. Solid-State Electronics, 2019, 155, 139-143.	1.4	16
10	Modeling of a SiGeSn quantum well laser. Photonics Research, 2021, 9, 1234.	7.0	7
11	*(Invited)* Epitaxy of Direct Bandgap Group IV Si-Ge-Sn Alloys towards Heterostructure Light Emitters. ECS Transactions, 2018, 86, 189-197.	0.5	3
12	Direct bandgap GeSn light emitting diodes for short-wave infrared applications grown on Si. , 2016, , .		2
13	Strain engineering for direct bandgap GeSn alloys. , 2014, , .		1
14	(Invited) Epitaxy of Direct Bandgap Group IV Si-Ge-Sn Alloys towards Heterostructure Light Emitters. ECS Meeting Abstracts, 2018, , .	0.0	1
15	On the track towards an electrically pumped group IV laser. , 2016, , .		0
16	Epitaxy of direct bandgap group IV heterostructure lasers. , 2017, , .		0
17	(Invited) Design and Modeling of Sigesn Lasers: From Modeling Experiments to Future Device Concepts. ECS Meeting Abstracts, 2018, , .	0.0	0