

Mourad Baira

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Linear and Nonlinear Intersubband Optical Properties of Direct Band Gap GeSn Quantum Dots. <i>Nanomaterials</i> , 2019, 9, 124.	4.1	16
2	Intersubband Optical Nonlinearity of GeSn Quantum Dots under Vertical Electric Field. <i>Micromachines</i> , 2019, 10, 243.	2.9	5
3	Investigation of GeSn/Ge quantum dots's optical transitions for integrated optics on Si substrate. <i>Results in Physics</i> , 2019, 12, 1732-1736.	4.1	6
4	Tuning direct bandgap GeSn/Ge quantum dots' interband and intraband useful emission wavelength: Towards CMOS compatible infrared optical devices. <i>Superlattices and Microstructures</i> , 2018, 117, 31-35.	3.1	9
5	Design of Strain-Engineered GeSn/GeSiSn Quantum Dots for Mid-IR Direct Bandgap Emission on Si Substrate. <i>Nanoscale Research Letters</i> , 2018, 13, 172.	5.7	9
6	Investigation of the InAs/GaAs Quantum Dots's Size: Dependence on the Strain Reducing Layer's Position. <i>Materials</i> , 2015, 8, 4699-4709.	2.9	29
7	Evolution of InAs/GaAs QDs Size with the Growth Rate: A Numerical Investigation. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-6.	2.7	6
8	Numerical investigation of the postgrowth intermixing effects on the optical properties of InAs/GaAs quantum dots. <i>Physica B: Condensed Matter</i> , 2014, 447, 7-11.	2.7	4
9	Power density and temperature dependent multi-excited states in InAs/GaAs quantum dots. <i>Journal of Nanoparticle Research</i> , 2011, 13, 257-262.	1.9	9