

# Mikhail Chernov

## List of Publications by Year in descending order

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7  
papers

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1937685  
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Effect of design and stress relaxation on structural, electronic, and luminescence properties of metamorphic InAs(Sb)/In(Ga,Al)As/GaAs mid-IR emitters with a superlattice waveguide. Journal of Applied Physics, 2020, 127, 125706.	2.5	4
2	Magneto-intersubband oscillations in two-dimensional systems with an energy spectrum split due to spin-orbit interaction. Physical Review B, 2020, 101, .	3.2	10
3	Effect of Strongly Mismatched GaAs and InAs Inserts in a InAlAs Buffer Layer on the Structural and Optical Properties of Metamorphic InAs(Sb)/InGaAs/InAlAs/GaAs Quantum-Confined Heterostructures. JETP Letters, 2019, 109, 377-381.	1.4	4
4	Stimulated Emission at a Wavelength of 2.86 $\mu\text{m}$ from In(Sb, As)/In(Ga, Al)As/GaAs Metamorphic Quantum Wells under Optical Pumping. JETP Letters, 2019, 110, 313-318.	1.4	5
5	Strain relaxation in convex-graded In <sub>x</sub> Al <sub>1-x</sub> As ( $x = 0.05 \text{--} 0.79$ ) metamorphic buffer layers grown by molecular beam epitaxy on GaAs(001). Superlattices and Microstructures, 2018, 113, 777-784.	3.1	7
6	Radiative versus non-radiative recombination in high-efficiency mid-IR InSb/InAs/In(Ga,Al)As/GaAs metamorphic nanoheterostructures. Journal Physics D: Applied Physics, 2018, 51, 055106.	2.8	10
7	Optimization of the Structural Properties and Surface Morphology of a Convex-Graded In <sub>x</sub> Al <sub>1-x</sub> As (x) Tj ETQq1 1 0.784314 rgBT / Ov	0.5	7