

# Artem V Rykov

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

60  
citations

1937457

4  
h-index

1719901

7  
g-index

17  
all docs

17  
docs citations

17  
times ranked

59  
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies of the Cross Section and Photoluminescence of a GaAs Layer Grown on a Si/Al <sub>2</sub> O <sub>3</sub> Substrate. Semiconductors, 2019, 53, 1242-1245.	0.2	1
2	1.06 $\mu$ m wavelength photodetectors with metamorphic buffer layers grown on GaAs substrates. Journal of Physics: Conference Series, 2018, 1124, 041037.	0.3	0
3	On the Application of Strain-Compensating GaAsP Layers for the Growth of InGaAs/GaAs Quantum-Well Laser Heterostructures Emitting at Wavelengths above 1100 nm on Artificial Ge/Si Substrates. Semiconductors, 2018, 52, 1547-1550.	0.2	3
4	Structural investigation of light-emitting A <sub>3</sub> B <sub>5</sub> structures grown on Ge/Si(100) substrate. Journal of Physics: Conference Series, 2018, 1124, 022037.	0.3	2
5	Stimulated Emission at 1.3 $\mu$ m Wavelength in Metamorphic InGaAs/InGaAsP Structure with Quantum Wells Grown on Ge/Si(001) Substrate. Technical Physics Letters, 2018, 44, 735-738.	0.2	0
6	Structural and optical characteristics of GaAs films grown on Si/Ge substrates. Journal of Physics: Conference Series, 2018, 993, 012014.	0.3	2
7	MOCVD Growth of InGaAs/GaAs/AlGaAs Laser Structures with Quantum Wells on Ge/Si Substrates. Crystals, 2018, 8, 311.	1.0	11
8	On the stimulated emission of InGaAs/GaAs/AlGaAs laser structures grown by MOCVD on exact and inclined Ge/Si(001) substrates. Semiconductors, 2017, 51, 663-666.	0.2	5
9	Technology of the production of laser diodes based on GaAs/InGaAs/AlGaAs structures grown on a Ge/Si substrate. Semiconductors, 2017, 51, 1477-1480.	0.2	4
10	Peculiarities of growing InGaAs/GaAs/AlGaAs laser structures by MOCVD on Ge/Si substrates. Semiconductors, 2017, 51, 1527-1530.	0.2	5
11	Control of circular polarization of electroluminescence in spin light-emitting diodes based on InGaAs/GaAs/InMnAs heterostructures. Physics of the Solid State, 2017, 59, 2162-2167.	0.2	1
12	Temperature stabilization of spin-LEDs with a CoPt injector. Journal of Physics: Conference Series, 2017, 816, 012034.	0.3	3
13	Methods for spin injection managing in InGaAs/GaAs/Al <sub>2</sub> O <sub>3</sub> /CoPt spin light-emitting diodes. Physics of the Solid State, 2017, 59, 2155-2161.	0.2	4
14	Heterostructures with InGaAs/GaAs quantum dots doped with transition elements: II. Study of the circularly polarized luminescence. Technical Physics, 2017, 62, 1545-1550.	0.2	4
15	Electrically pumped InGaAs/GaAs quantum well microdisk lasers directly grown on Si(100) with Ge/GaAs buffer. Optics Express, 2017, 25, 16754.	1.7	13
16	Effect of the dopant concentration on the luminescence properties of InGaAs/GaAs spin light-emitting diodes with a Mn $\delta$ layer. Semiconductors, 2016, 50, 1-7.	0.2	2
17	Temperature dependence of the circular polarization of electroluminescence from spin-polarized light-emitting diodes based on InGaAs/GaAs heterostructures. Journal of Surface Investigation, 2014, 8, 433-439.	0.1	0