

Artur Trifonov

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

192
citations

1306789

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14
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25
all docs

25
docs citations

25
times ranked

297
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast quantum beats of anisotropic excitons in atomically thin ReS ₂ . Nature Communications, 2018, 9, 351.	5.8	49
2	Nontrivial relaxation dynamics of excitons in high-quality InGaAs/GaAs quantum wells. Physical Review B, 2015, 91, .	1.1	46
3	Effect of uniaxial stress on the interference of polaritonic waves in wide quantum wells. Physical Review B, 2014, 90, .	1.1	16
4	Strong coupling and stimulated emission in single parabolic quantum well microcavity for terahertz cascade. Applied Physics Letters, 2015, 107, 101101.	1.5	14
5	Nanosecond Spin Coherence Time of Nonradiative Excitons in GaAs/AlGaAs Quantum Wells. Physical Review Letters, 2019, 122, 147401.	2.9	13
6	Multiple-frequency quantum beats of quantum confined exciton states. Physical Review B, 2015, 92, .	1.1	11
7	Dynamics of the energy relaxation in a parabolic quantum well laser. Physical Review B, 2016, 93, .	1.1	8
8	Photon Echo Polarimetry of Excitons and Biexcitons in a CH ₃ NH ₃ PbI ₃ Perovskite Single Crystal. ACS Photonics, 2022, 9, 621-629.	3.2	7
9	Impurity-induced modulation of terahertz waves in optically excited GaAs. AIP Advances, 2017, 7, .	0.6	5
10	Homogeneous optical anisotropy in an ensemble of InGaAs quantum dots induced by strong enhancement of the heavy-hole band Landé parameter $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:mi} \rangle q \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$. Physical Review B, 2021, 104, .	1.1	5
11	Exciton-exciton and exciton-charge carrier interaction and exciton collisional broadening in GaAs/AlGaAs quantum wells. Physical Review B, 2021, 104, .	1.1	4
12	Photoinduced absorption of THz radiation in semi-insulating GaAs crystal. Physics of the Solid State, 2017, 59, 1298-1301.	0.2	3
13	On the Suppression of Electron-Hole Exchange Interaction in a Reservoir of Nonradiative Excitons. Semiconductors, 2019, 53, 1170-1174.	0.2	3
14	Optical control of a dark exciton reservoir. Physical Review B, 2021, 104, .	1.1	3
15	Extending the time of coherent optical response in ensemble of singly-charged InGaAs quantum dots. Communications Physics, 2022, 5, .	2.0	3
16	Exciton scattering in heterostructures with (In,Ga)As/GaAs quantum wells. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 1481-1484.	0.1	1
17	Inverse-phase Rabi oscillations in semiconductor microcavities. Physical Review B, 2017, 95, .	1.1	0
18	Propagation of terahertz waves in thin GaAs crystal plates. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 1497-1499.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Dynamics of excitonic polaritons in semiconductor heterostructures with quantum wells. , 2017, , .		0
20	High-angle optically accessible Brewster cavity exciton-polaritons. Physical Review B, 2019, 99, .	1.1	0
21	Modeling of Exciton Exchange Interaction in GaAs/AlGaAs Quantum Wells. Semiconductors, 2020, 54, 1503-1505.	0.2	0
22	Energy Spectrum in a Shallow GaAs/AlGaAs Quantum Well Probed by Spectroscopy of Nonradiative Broadening of Exciton Resonances. Semiconductors, 2020, 54, 1514-1517.	0.2	0
23	Ultrafast quantum beats of linearly polarized excitons in two-dimensional ReS ₂ . , 2018, , .		0
24	Exciton energy oscillations induced by quantum beats. Physical Review B, 2020, 102, .	1.1	0