

Ivan I Ryzhov

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

321
citations

1040056

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h-index

839539

18
g-index

23
all docs

23
docs citations

23
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin noise spectroscopy of a single quantum well microcavity. Physical Review B, 2014, 89, .	3.2	55
2	Spin noise explores local magnetic fields in a semiconductor. Scientific Reports, 2016, 6, 21062.	3.3	38
3	Measurements of nuclear spin dynamics by spin-noise spectroscopy. Applied Physics Letters, 2015, 106, .	3.3	33
4	Resources of polarimetric sensitivity in spin noise spectroscopy. Physical Review B, 2013, 88, .	3.2	23
5	Spin temperature concept verified by optical magnetometry of nuclear spins. Physical Review B, 2018, 97, .	3.2	21
6	Nuclear spin relaxation in n -GaAs: From insulating to metallic regime. Physical Review B, 2017, 95, .	3.2	20
7	Spin-alignment noise in atomic vapor. Physical Review Research, 2020, 2, .	3.6	17
8	Photoluminescence Excitation Spectroscopy of Defect-Related States in MAPbI_3 Perovskite Single Crystals. Advanced Optical Materials, 2021, 9, 2001327.	7.3	13
9	Light scattering in a medium with fluctuating gyrotropy: Application to spin-noise spectroscopy. Physical Review A, 2017, 95, .	2.5	10
10	Homogenization of Doppler broadening in spin-noise spectroscopy. Physical Review A, 2018, 97, .	2.5	9
11	Spin noise signatures of the self-induced Larmor precession. Physical Review Research, 2020, 2, .	3.6	9
12	Spin noise amplification and giant noise in optical microcavity. Journal of Applied Physics, 2015, 117, .	2.5	8
13	Spin noise of a polariton laser. Physical Review B, 2016, 93, .	3.2	8
14	Spin-noise spectroscopy of randomly moving spins in the model of light scattering: Two-beam arrangement. Physical Review A, 2018, 97, .	2.5	8
15	Giant spin-noise gain enables magnetic resonance spectroscopy of impurity crystals. Physical Review Research, 2020, 2, .	3.6	8
16	Optics of spin-noise-induced gyrotropy of an asymmetric microcavity. Physical Review B, 2014, 89, .	3.2	7
17	Hidden polarization of unpolarized light. Physical Review A, 2018, 98, .	2.5	6
18	Comment on "Evidence of slow-light effects from rotary drag of structured beams". New Journal of Physics, 2014, 16, 038001.	2.9	5

#	ARTICLE	IF	CITATIONS
19	Raman scattering model of the spin noise. Optics Express, 2021, 29, 4770.	3.4	5
20	Invariants in the paramagnetic resonance spectra of impurity-doped crystals. Physical Review B, 2022, 105, .	3.2	5
21	Stimulated spin noise in an activated crystal. Journal of Applied Physics, 2019, 126, .	2.5	4
22	High-resolution resonance spin-flip Raman spectroscopy of pairs of manganese ions in a CdTe quantum well. Physical Review B, 2020, 101, .	3.2	4