

# Denis Karaiskaj

## List of Publications by Year in descending order

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51  
papers

1,474  
citations

304743

22  
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315739

38  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1517  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bright and Dark Exciton Coherent Coupling and Hybridization Enabled by External Magnetic Fields. Nano Letters, 2022, 22, 1680-1687.	9.1	3
2	Enhanced optical mode coherence in exchange coupled soft magnetic multilayers. Journal of Applied Physics, 2022, 131, .	2.5	1
3	Isotopic disorder in integer and fractional quantum Hall effects. Physical Review B, 2021, 103, .	3.2	0
4	Multidimensional spectroscopy of magneto-excitons at high magnetic fields. Journal of Chemical Physics, 2021, 155, 204201.	3.0	2
5	Optical and extreme UV studies of spin dynamics in metallic and insulating ferrimagnets. Journal of Applied Physics, 2021, 130, 240901.	2.5	1
6	High broadband photoconductivity of few-layered MoS2 field-effect transistors measured using multi-terminal methods: effects of contact resistance. Nanoscale, 2020, 12, 22904-22916.	5.6	5
7	Coherent two-dimensional Fourier transform spectroscopy using a 25 Tesla resistive magnet. Review of Scientific Instruments, 2019, 90, 063901.	1.3	2
8	Biexcitons in monolayer transition metal dichalcogenides tuned by magnetic fields. Nature Communications, 2018, 9, 3720.	12.8	29
9	Superradiant coupling effects in transition-metal dichalcogenides. Optica, 2018, 5, 749.	9.3	9
10	Broadband ultrafast terahertz spectroscopy in the 25 T Split Florida-Helix. Review of Scientific Instruments, 2018, 89, 073901.	1.3	4
11	The role of electron-phonon interactions on the coherence lifetime of monolayer transition metal dichalcogenides. Solid State Communications, 2017, 266, 30-33.	1.9	1
12	The role of electron-phonon interactions on the coherence lifetime of monolayer transition metal dichalcogenides. Journal of Physics: Conference Series, 2017, 864, 012035.	0.4	1
13	Coulomb-interaction induced coupling of Landau levels in intrinsic and modulation-doped quantum wells. Physical Review B, 2017, 95, .	3.2	5
14	From Mahan excitons to Landau levels at high magnetic fields: 2DFT spectroscopy reveals hidden quantum correlations (Conference Presentation). , 2017, , .		0
15	Cyclotron decay time of a two-dimensional electron gas from 0.4 to 100 K. Physical Review B, 2016, 93, .	3.2	7
16	Optical Coherence in Atomic-Monolayer Transition-Metal Dichalcogenides Limited by Electron-Phonon Interactions. Physical Review Letters, 2016, 116, 127402.	7.8	105
17	Strong Quantum Coherence between Fermi Liquid Mahan Excitons. Physical Review Letters, 2016, 116, 157401.	7.8	7
18	Biexciton formation and exciton coherent coupling in layered GaSe. Journal of Chemical Physics, 2015, 142, 212422.	3.0	31

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19	Mechanism of excitonic dephasing in layered InSe crystals. <i>Physical Review B</i> , 2014, 89, .	3.2	23
20	Exploring two-dimensional electron gases with two-dimensional Fourier transform spectroscopy. <i>Journal of Chemical Physics</i> , 2014, 141, 134505.	3.0	3
21	Origin of the temperature dependence of the band gap of PbS and PbSe quantum dots. <i>Solid State Communications</i> , 2013, 165, 49-54.	1.9	81
22	Continuously tunable optical multidimensional Fourier-transform spectrometer. <i>Review of Scientific Instruments</i> , 2013, 84, 023107.	1.3	14
23	Quantum beats due to excitonic ground-state splitting in colloidal quantum dots. <i>Physical Review B</i> , 2012, 86, .	3.2	22
24	Exciton-exciton and exciton-phonon interactions in an interfacial GaAs quantum dot ensemble. <i>Physical Review B</i> , 2011, 83, .	3.2	55
25	Spectral broadening and population relaxation in a GaAs interfacial quantum dot ensemble and quantum well nanostructure. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 829-832.	1.5	2
26	Two-Quantum Many-Body Coherences in Two-Dimensional Fourier-Transform Spectra of Exciton Resonances in Semiconductor Quantum Wells. <i>Physical Review Letters</i> , 2010, 104, 117401. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>	7.8	115
27	$S$ <i>Physical Review B</i> , 2009, 80, .	3.2	2
28	A versatile ultrastable platform for optical multidimensional Fourier-transform spectroscopy. <i>Review of Scientific Instruments</i> , 2009, 80, 073108.	1.3	162
29	Polarization dependence of semiconductor exciton and biexciton contributions to phase-resolved optical two-dimensional Fourier-transform spectra. <i>Physical Review B</i> , 2009, 79, .	3.2	64
30	Optical Two-Dimensional Fourier Transform Spectroscopy of Semiconductor Quantum Wells. <i>Accounts of Chemical Research</i> , 2009, 42, 1423-1432.	15.6	66
31	Shallow impurity absorption spectroscopy in isotopically enriched silicon. <i>Physical Review B</i> , 2009, 79, .	3.2	40
32	All-optical retrieval of the global phase for two-dimensional Fourier-transform spectroscopy. <i>Optics Express</i> , 2008, 16, 18017.	3.4	73
33	Role of electron-phonon interactions and external strain on the electronic properties of semiconducting carbon nanotubes. <i>Physical Review B</i> , 2007, 75, .	3.2	10
34	Temperature behavior of the photoluminescence decay of semiconducting carbon nanotubes: The effective lifetime. <i>Physical Review B</i> , 2007, 75, .	3.2	4
35	Shallow Impurity Absorption Spectroscopy in Isotopically Enriched Silicon. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	2
36	Conformations of N-Acetyl-L-Prolineamide by Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19891-19905.	2.6	47

#	ARTICLE	IF	CITATIONS
37	Optical Detection and Ionization of Donors in Specific Electronic and Nuclear Spin States. Physical Review Letters, 2006, 97, 227401.	7.8	63
38	Intrinsic and Extrinsic Effects in the Temperature-Dependent Photoluminescence of Semiconducting Carbon Nanotubes. Physical Review Letters, 2006, 96, 106805.	7.8	44
39	Progress in Semiconductor Spectroscopy Using Isotopically Enriched Si. AIP Conference Proceedings, 2005, , .	0.4	3
40	Effect of the isotopic mass of gallium on the indirect gap of GaP. Solid State Communications, 2003, 126, 119-123.	1.9	11
41	Photoluminescence studies of isotopically enriched silicon. Physica Status Solidi (B): Basic Research, 2003, 235, 63-74.	1.5	8
42	Impurity Absorption Spectroscopy in Si <sup>28</sup> : The Importance of Inhomogeneous Isotope Broadening. Physical Review Letters, 2003, 90, 186402.	7.8	67
43	Origin of the Residual Acceptor Ground-State Splitting in Silicon. Physical Review Letters, 2003, 90, 016404.	7.8	24
44	“Intrinsic” Acceptor Ground State Splitting in Silicon: An Isotopic Effect. Physical Review Letters, 2002, 89, 016401.	7.8	30
45	Photoluminescence studies of isotopically enriched silicon: isotopic effects on the indirect electronic band gap and phonon energies. Solid State Communications, 2002, 123, 87-92.	1.9	38
46	Faceting transition in epitaxial growth of dilute GaNAs films on GaAs. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 1417.	1.6	12
47	Photoluminescence of Isotopically Purified Silicon: How Sharp are Bound Exciton Transitions?. Physical Review Letters, 2001, 86, 6010-6013.	7.8	73
48	Normal-Mode Linewidths in a Semiconductor Microcavity with Various Cavity Qualities. Physica Status Solidi A, 2000, 178, 179-181.	1.7	0
49	Optically pumped (GaIn)As/Ga(PAs) vertical-cavity surface-emitting lasers with optimized dynamics. Applied Physics Letters, 1999, 74, 1367-1369.	3.3	22
50	Ultrafast (GaIn)(NAs)/GaAs vertical-cavity surface-emitting laser for the 1.3 $\mu$ m wavelength regime. Applied Physics Letters, 1999, 74, 2271-2273.	3.3	77
51	Linewidths in a semiconductor microcavity with variable strength of normal-mode coupling. Physical Review B, 1999, 59, 13525-13527.	3.2	3