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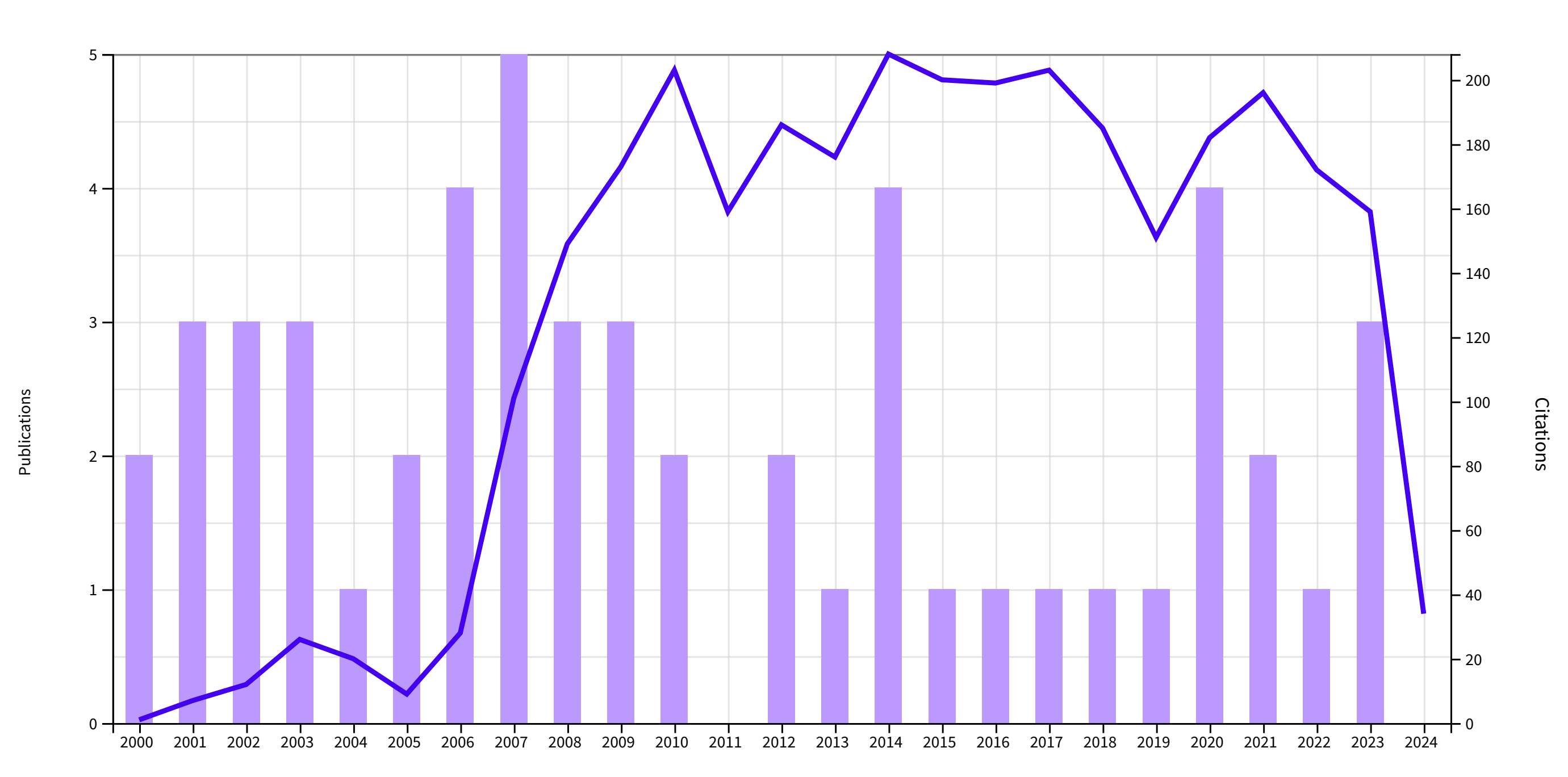

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		Citations						
		Previous year			Next year		Average per year	Total
		2020	2021	2022	2023	2024		
	Total	182	196	172	159	34	125.56	3,139
1	Valley filter and valley valve in graphene Rycerz, A; Tworzydlo, J and Beenakker, CWJ Mar 2007 | NATURE PHYSICS 3 (3) , pp.172-175	100	111	105	81	24	77.28	1,391
2	Sub-Poissonian shot noise in graphene Tworzydlo, J; Trauzettel, B; (...); Beenakker, CWJ Jun 23 2006 | PHYSICAL REVIEW LETTERS 96 (24)	24	27	16	12	3	37.05	704
3	Aharonov-Bohm effect and broken valley degeneracy in graphene rings Recher, P; Trauzettel, B; (...); Morpurgo, AF Dec 2007 | PHYSICAL REVIEW B 76 (23)	9	4	9	9	4	12.22	220
4	Theory of the valley-valve effect in graphene nanoribbons Akhmerov, AR; Bardarson, JH; (...); Beenakker, CWJ May 2008 | PHYSICAL REVIEW B 77 (20)	7	4	5	13	2	8.88	151
5	Anomalously large conductance fluctuations in weakly disordered graphene Rycerz, A; Tworzydlo, J and Beenakker, CWJ 2007 | EPL 79 (5)	3	10	5	4	0	7.06	127
6	Symmetry Classes in Graphene Quantum Dots: Universal Spectral Statistics, Weak Localization, and Conductance Fluctuations Wurm, J; Rycerz, A; (...); Baranger, HU Feb 6 2009 | PHYSICAL REVIEW LETTERS 102 (5)	8	6	3	4	1	7.5	120
7	Optimization of single-particle basis for exactly soluble models of correlated electrons Spalek, J; Podsiadly, R; (...); Rycerz, A Jun 15 2000 | PHYSICAL REVIEW B 61 (23) , pp.15676-15687	0	0	3	1	0	1.72	43
8	Conformal mapping and shot noise in graphene Rycerz, A; Recher, P and Wimmer, M Sep 2009 | PHYSICAL REVIEW B 80 (12)	2	4	2	1	0	2.19	35
9	Magnetoconductance of the Corbino disk in graphene Rycerz, A Mar 2010 | PHYSICAL REVIEW B 81 (12)	6	3	2	1	0	2.13	32
10	Random matrices and quantum chaos in weakly disordered graphene nanoflakes Rycerz, A Jun 13 2012 | PHYSICAL REVIEW B 85 (24)	4	3	2	2	0	2.38	31
11	Strain-induced transitions to quantum chaos and effective time-reversal symmetry breaking in triangular graphene nanoflakes Rycerz, A May 17 2013 | PHYSICAL REVIEW B 87 (19)	4	5	2	4	0	1.83	22
12	The combined exact diagonalization-*ab initio* approach and its application to correlated electronic states and Mott-Hubbard localization in nanoscopic systems Spalek, J; Görlich, EM; (...); Zahorbenski, R European Science Foundation Exploratory Workshop on Motts Physics in Nanowires and Quantum Dots Jun 27 2007 | JOURNAL OF PHYSICS-CONDENSED MATTER 19 (25)	1	1	3	1	0	1.22	22
13	Aharonov-Bohm Effect and Valley Polarization in Nanoscopic Graphene Rings Rycerz, A Jan 2009 | ACTA PHYSICA POLONICA A 115 (1) , pp.322-325	0	0	0	1	0	1.31	21
14	Nonequilibrium valley polarization in graphene nanoconstrictions Rycerz, A 8th International Conference on Trends in Nanotechnology (TNT2007) Jun 2008 | PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE 205 (6) , pp.1281-1289	1	1	0	0	0	1.24	21
15	Exact diagonalization of many-fermion Hamiltonian with wave-function renormalization Rycerz, A and Spalek, J Feb 15 2001 | PHYSICAL REVIEW B 63 (7)	0	0	1	3	0	0.83	20
16	Electron localization in a one-dimensional nanoscopic system:: A combined exact diagonalization -: an *ab initio* approach Spalek, J and Rycerz, A Oct 15 2001 | PHYSICAL REVIEW B 64 (16)	0	0	0	2	0	0.79	19
17	Wiedemann-Franz Law for Massless Dirac Fermions with Implications for Graphene Rycerz, A Jun 2021 | MATERIALS 14 (11)	0	2	4	6	0	3	12
18	Fundamental properties, localization threshold, and the Tomonaga-Luttinger behavior of electrons in nanochains Rycerz, A and Spalek, J Jul 2004 | EUROPEAN PHYSICAL JOURNAL B 40 (2) , pp.153-165	0	0	0	0	0	0.57	12
19	Electronic states, Mott localization, electron-lattice coupling, and dimerization for correlated one-dimensional systems Rycerz, A and Spalek, J Jan 15 2002 | PHYSICAL REVIEW B 65 (3)	0	0	0	0	0	0.52	12
20	Entanglement and transport through correlated quantum dot Rycerz, A Aug 2006 | EUROPEAN PHYSICAL JOURNAL B 52 (3) , pp.291-296	0	0	0	0	0	0.58	11
21	Exact diagonalization of many-fermion Hamiltonian combined with wave-function readjustment II. Metallicity and electron localization in nanoscopic systems Spalek, J; Rycerz, A and Wojcik, W 12th School on Phase Transitions and Critical Phenomena to the Scientific Community Oct 2001 | ACTA PHYSICA POLONICA B 32 (10) , pp.3189-3202	0	0	0	0	0	0.46	11
22	Exact diagonalization of many-Fermion Hamiltonian combined with wave-function readjustment:: Application to one-dimensional systems Spalek, J; Podsiadly, R; (...); Wójcik, W XLth Cracow School of Theoretical Physics Dec 2000 | ACTA PHYSICA POLONICA B 31 (12) , pp.2879-2898	0	0	0	0	0	0.44	11
23	Thermoelectric properties of gapped bilayer graphene Suszalski, D; Rut, G and Rycerz, A Oct 16 2019 | JOURNAL OF PHYSICS-CONDENSED MATTER 31 (41)	2	3	3	2	0	1.67	10
24	Lifshitz transition and thermoelectric properties of bilayer graphene Suszalski, D; Rut, G and Rycerz, A Mar 5 2018 | PHYSICAL REVIEW B 97 (12)	1	5	1	1	0	1.43	10
25	Mesoscopic valley filter in graphene Corbino disk containing a p-n junction Suszalski, D; Rut, G and Rycerz, A Jan 1 2020 | JOURNAL OF PHYSICS-MATERIALS 3 (1)	4	3	1	1	0	1.8	9
26	Pairwise entanglement and the Mott transition for correlated electrons in nanochains Rycerz, A May 2017 | NEW JOURNAL OF PHYSICS 19	1	1	0	2	0	0.88	7
27	Graphene disk in a solenoid magnetic potential: Aharonov-Bohm effect without a two-slit-like setup Rycerz, A and Suszalski, D Jun 22 2020 | PHYSICAL REVIEW B 101 (24)	1	1	2	2	0	1.2	6
28	Trigonal warping, pseudodiffusive transport, and finite-system version of the Lifshitz transition in magnetoconductance of bilayer graphene Corbino disks Rut, G and Rycerz, A Feb 11 2016 | PHYSICAL REVIEW B 93 (7)	1	0	0	0	0	0.44	4
29	Minimal conductivity and signatures of quantum criticality in ballistic graphene bilayer Rut, G and Rycerz, A Aug 2014 | EPL 107 (4)	1	0	0	0	0	0.36	4
30	Pseudodiffusive conductance, quantum-limited shot noise, and Landau-level hierarchy in a biased graphene bilayer Rut, G and Rycerz, A Jan 22 2014 | PHYSICAL REVIEW B 89 (4)	0	0	0	0	0	0.36	4
31	Mott Transition in the Hubbard Model on Anisotropic Honeycomb Lattice with Implications for Strained Graphene: Gutzwiller Variational Study Rut, G; Fidrysiak, M; (...); Rycerz, A Jan 2023 | INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 24 (2) Enriched Cited References	0	0	0	3	0	1.5	3
32	Sub-Sharvin conductance and enhanced shot noise in doped graphene Rycerz, A and Witkowski, P Oct 14 2021 | PHYSICAL REVIEW B 104 (16)	0	0	1	2	0	0.75	3
33	Quantum-limited shot noise and quantum interference in graphene-based Corbino disk Rut, G and Rycerz, A 16th National Conference on Superconductivity and Strongly Correlated Systems Feb 11 2015 | PHILOSOPHICAL MAGAZINE 95 (5-6) , pp.599-608	1	0	0	0	0	0.3	3
34	Magnetoconductance of the Corbino disk in graphene: chiral tunneling and quantum interference in the bilayer case Rut, G and Rycerz, A Dec 3 2014 | JOURNAL OF PHYSICS-CONDENSED MATTER 26 (48)	0	0	0	0	0	0.27	3
35	Aharonov-Bohm and Relativistic Corbino Effects in Graphene: A Comparative Study of Two Quantum Interference Phenomena Rycerz, A European Conference on Physics of Magnetism (PM) May-jun 2012 | ACTA PHYSICA POLONICA A 121 (5-6) , pp.1242-1245	0	0	0	0	0	0.23	3
36	Electron Transport and Quantum-Dot Energy Levels in *Z*-Shaped Graphene Nanoconstriction with Zigzag Edges Rycerz, A 14th National School on Superconductivity and Inhomogeneous Condensed Systems Aug 2010 | ACTA PHYSICA POLONICA A 118 (2) , pp.238-243	1	0	1	0	0	0.2	3
37	Microwave absorption by the Josephson network in a low field: Application to ceramic high temperature superconductors Rycerz, A and Spalek, J 3rd Polish/US Workshop on Superconductivity and Magnetism of Advanced Materials May 1 2003 | PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS 387 (1-2) , pp.97-101	0	0	0	0	0	0.14	3
38	Conductivity scaling and the effects of symmetry-breaking terms in bilayer graphene Hamiltonian Suszalski, D; Rut, G and Rycerz, A Mar 30 2020 | PHYSICAL REVIEW B 101 (12)	0	2	0	0	0	0.4	2
39	Conditions for Conductance Quantization in Mesoscopic Dirac Systems on the Examples of Graphene Nanoconstrictions Rut, G and Rycerz, A 16th National Conference on Superconductivity and Strongly Correlated Systems Sep 2014 | ACTA PHYSICA POLONICA A 126 (4A) , pp.A114-A117	0	0	1	0	0	0.18	2
40	Conductance of a double quantum dot with correlation-induced wave function renormalization Rycerz, A and Spalek, J International Conference on Strongly Correlated Electron Systems (SCES 05) May 1 2006 | PHYSICA B-CONDENSED MATTER 378-80 , pp.935-937	0	0	0	0	0	0.11	2
41	Electronic structure and parity effects in correlated nanosystems Rycerz, A and Spalek, J European Conference on Physics of Magnetism (PM 05) Jan 2006 | PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS 243 (1) , pp.183-187	0	0	0	0	0	0.11	2
42	Electronic properties of correlated nanoscopic systems from the exact diagonalization combined with an ab initio approach Görlich, EM; Rycerz, A and Spalek, J 28th International Conference on Theoretical Physics (ICTP2004) Feb 2005 | PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS 242 (2) , pp.234-244	0	0	0	0	0	0.1	2
43	Defining metallicity and Mott localization in correlated nanoscopic systems Rycerz, A; Spalek, J and Podsiadly, R International Conference on Strongly Correlated Electron Systems (SCES 2002) Feb 2003 | ACTA PHYSICA POLONICA B 34 (2) , pp.651-654	0	0	0	0	0	0.09	2
44	On metal-insulator transition for a one-dimensional correlated nanoscopic chain Rycerz, A and Spalek, J International Conference on Strongly Correlated Electron Systems (SCES 2002) Feb 2003 | ACTA PHYSICA POLONICA B 34 (2) , pp.655-658	0	0	0	0	0	0.09	2
45	Theory of sub-Sharvin charge transport in graphene disks Rycerz, A and Witkowski, P Oct 31 2022 | PHYSICAL REVIEW B 106 (15)	0	0	0	1	0	0.33	1
46	Diatomic molecule as a quantum entanglement switch Rycerz, A International Conference on Strongly Correlated Electron Systems (SCES 2007) Apr 1 2008 | PHYSICA B-CONDENSED MATTER 403 (5-9) , pp.1534-1536	0	0	0	0	0	0.06	1
47	Strain-induced Aharonov-Bohm effect at nanoscale and ground state of a carbon nanotube with zigzag edges Rycerz, A; Fidrysiak, M and Goc-Jagło, D Dec 1 2023 | JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS 587 Enriched Cited References	0	0	0	0	0	0	0
48	Thermoelectric Properties of the Corbino Disk in Graphene Rycerz, A; Rycerz, K and Witkowski, P Jun 2023 | MATERIALS 16 (12)	0	0	0	0	0	0	0

Enriched Cited References

49	Adiabatic pumping driven by a moving kink in a buckled graphene nanoribbon with implications for a quantum standard for the ampere Suszalski, D and Rycerz, A Oct 16 2020 | PHYSICAL REVIEW B 102 (16)	0	0	0	0	0	0	0
50	Josephson network as a model for inhomogeneous superconductor: a microwave power absorption Rycerz, A and Spalek, J 12th National School on Superconductivity Correlated Electron Systems Apr 2007 | ACTA PHYSICA POLONICA A 111 (4) , pp.581-594	0	0	0	0	0	0	0

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