

# Pawel Wzietek

## List of Publications by Year in descending order

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47  
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1,938  
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394286

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docs citations

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times ranked

1631  
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#	ARTICLE	IF	CITATIONS
1	Mott Transition, Antiferromagnetism, and Unconventional Superconductivity in Layered Organic Superconductors. <i>Physical Review Letters</i> , 2000, 85, 5420-5423.	2.9	349
2	Universality and Critical Behavior at the Mott Transition. <i>Science</i> , 2003, 302, 89-92.	6.0	305
3	Superconducting State of $\hat{\nu}$ -(ET) <sub>2</sub> Cu[N(CN) <sub>2</sub> ]Br Studied by <sup>13</sup> C NMR: Evidence for Vortex-Core-Induced Nuclear Relaxation and Unconventional Pairing. <i>Physical Review Letters</i> , 1995, 75, 4122-4125.	2.9	189
4	<sup>13</sup> C NMR Study of a Quasi-Two-Dimensional Organic Superconductor $\hat{\nu}$ -(ET) <sub>2</sub> Cu[N(CN) <sub>2</sub> ]Br. <i>Europhysics Letters</i> , 1994, 28, 205-210.	0.7	151
5	Nuclear relaxation and electronic correlations in quasi-one-dimensional organic conductors. II. Experiments. <i>Journal De Physique, I</i> , 1993, 3, 171-201.	1.2	108
6	Crystalline Arrays of Pairs of Molecular Rotors: Correlated Motion, Rotational Barriers, and Space-Inversion Symmetry Breaking Due to Conformational Mutations. <i>Journal of the American Chemical Society</i> , 2013, 135, 9366-9376.	6.6	92
7	(EDT-TTF-CONH <sub>2</sub> ) <sub>6</sub> [Re <sub>6</sub> Se <sub>8</sub> (CN) <sub>6</sub> ], a Metallic Kagome-Type Organic-Inorganic Hybrid Compound: Electronic Instability, Molecular Motion, and Charge Localization. <i>Journal of the American Chemical Society</i> , 2005, 127, 11785-11797.	6.6	80
8	NMR in Commensurate and Incommensurate Spin Density Waves. <i>Europhysics Letters</i> , 1993, 21, 87-92.	0.7	71
9	Design and Evaluation of a Crystalline Hybrid of Molecular Conductors and Molecular Rotors. <i>Journal of the American Chemical Society</i> , 2012, 134, 7880-7891.	6.6	52
10	Scaling relation between nuclear relaxation and magnetic susceptibility in organic conductors: Evidence for 1D paramagnon effects. <i>Physical Review Letters</i> , 1989, 62, 1532-1535.	2.9	49
11	Commensurate and Incommensurate Spin-Density Waves and a Modified Phase Diagram of the Bechgaard Salts. <i>Physical Review Letters</i> , 1995, 75, 2408-2411.	2.9	46
12	NMR Analysis of Spin Fluctuations in the Organic Conductor TTF[Ni(dmit) <sub>2</sub> ] <sub>2</sub> . <i>Europhysics Letters</i> , 1988, 6, 177-182.	0.7	43
13	NMR in the 2D Organic Superconductors. <i>Journal De Physique, I</i> , 1996, 6, 2011-2041.	1.2	43
14	Nuclear and electronic resonance approaches to magnetic and lattice fluctuations in the two-chain family of organic compounds (perylene) <sub>2</sub> [M(S <sub>2</sub> C <sub>2</sub> (CN) <sub>2</sub> ) <sub>2</sub> ] (M=Pt,Au). <i>Physical Review B</i> , 1991, 44, 641-651.	1.1	40
15	Conduction noise and motional narrowing of the nuclear magnetic resonance line in sliding spin-density waves. <i>Physical Review Letters</i> , 1993, 71, 2825-2828.	2.9	32
16	Reversible Control of Crystalline Rotors by Squeezing Their Hydrogen Bond Cloud Across a Halogen Bond-Mediated Phase Transition. <i>Crystal Growth and Design</i> , 2014, 14, 3375-3383.	1.4	31
17	<sup>17</sup> O NMR in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\hat{\nu}</math></sub> Superconductors. <i>Europhysics Letters</i> , 1989, 8, 363-368.	0.7	26
18	Gearing motion in cogwheel pairs of molecular rotors: weak-coupling limit. <i>CrystEngComm</i> , 2015, 17, 7829-7834.	1.3	23

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19	(TM)2X organic superconductors: interplay between 1-D charge localization and higher dimensionality cross-over. <i>Synthetic Metals</i> , 1995, 70, 719-725.	2.1	20
20	(Sr / Ca ) 14 Cu 24 O 41 spin ladders studied by NMR under pressure. <i>European Physical Journal B</i> , 2001, 24, 443-456.	0.6	19
21	Two-Dimensional Vortex Melting in BEDT Organic Superconductors and NMR Relaxation Induced by Vortex Structure Defects. <i>Physical Review Letters</i> , 1996, 76, 4951-4954.	2.9	15
22	A Crystalline Hybrid of Paddlewheel Copper(II) Dimers and Molecular Rotors: Singletâ€triple Dynamics Revealed by Variableâ€temperature Proton Spinâ€lattice Relaxation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 1127-1133.	0.6	14
23	Changing gears to neutral in a polymorph of one-dimensional arrays of cogwheel-like pairs of molecular rotors. <i>CrystEngComm</i> , 2014, 16, 1241.	1.3	14
24	Asymmetric Choreography in Pairs of Orthogonal Rotors. <i>ACS Omega</i> , 2018, 3, 1293-1297.	1.6	14
25	Magnetic properties of frustrated two-dimensional $S = 1/2$ antiferromagnets on a square lattice. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S849-S856.	0.7	13
26	Static Modulation Wave of Arrays of Halogen Interactions Transduced to a Hierarchy of Nanoscale Change Stimuli of Crystalline Rotors Dynamics. <i>Nano Letters</i> , 2018, 18, 3780-3784.	4.5	13
27	Examination of the antiferromagnetic ground state of the bechgaard salts. <i>Synthetic Metals</i> , 1997, 86, 1937-1940.	2.1	12
28	NMR and EPR Approaches to Magnetic Properties of (TMTTF) 2 Br. <i>Europhysics Letters</i> , 1990, 12, 453-458.	0.7	10
29	Nanoscale rotational dynamics of four independent rotators confined in crowded crystalline layers. <i>Nanoscale</i> , 2020, 12, 8294-8302.	2.8	8
30	Evidence from $^1\text{H}$ -NMR for a Crossover from â€Local-Momentâ€Antiferromagnetism to Spin-Density Wave in (TMTTF) $_2$ Br with Application of Pressure. <i>Journal De Physique</i> , I, 1996, 6, 1745-1752.	1.2	8
31	Electron-electron interaction in organic conductors: An NMR approach. <i>Synthetic Metals</i> , 1991, 42, 2435-2438.	2.1	7
32	Comment onâ€ $^{13}\text{C}$ NMR Study of Layered Organic Superconductors Based on BEDT-TTF Moleculesâ€. <i>Physical Review Letters</i> , 1995, 75, 3586-3586.	2.9	6
33	Quantum spin-liquid states in an organic magnetic layer and molecular rotor hybrid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29555-29560.	3.3	5
34	An NMR analysis of magnetic correlations and dimensionality in organic conductors. <i>Synthetic Metals</i> , 1988, 27, 65-70.	2.1	4
35	NMR in the (BEDT)2X organic superconductors. <i>Synthetic Metals</i> , 1997, 85, 1511-1514.	2.1	4
36	Transport and NMR under pressure in the superconducting spin ladder: $\text{Sr}_2\text{Ca}_{12}\text{Cu}_{24}\text{O}_{41}\hat{+}$ . <i>Synthetic Metals</i> , 1999, 103, 2632-2635.	2.1	4

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37	$^{13}\text{C}$ NMR on the $S = 1/2$ antiferromagnetically coupled spin chain compound $[\text{PM}^{\wedge}\text{Cu}(\text{NO}_3)_2 \cdot (\text{H}_2\text{O})_2]_n$ (PM=pyrimidine). Polyhedron, 2003, 22, 2273-2276.	1.0	4
38	NMR spectroscopy in K3C60 as a function of temperature and pressure. Synthetic Metals, 1993, 56, 3154-3159.	2.1	3
39	NMR study of (TMTTF) <sub>2</sub> Br. Synthetic Metals, 1991, 42, 1735-1739.	2.1	2
40	C60 doped with organic cations: Magnetic resonance measurements. Synthetic Metals, 1993, 56, 3235-3239.	2.1	2
41	Structural Transition in the Quasi-Two-Dimensional Organic Superconductor $\hat{\text{I}}^{\wedge}(\text{ET})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ Studied by $^{13}\text{C}$ MAS NMR. Advanced Materials, 1998, 10, 797-801.	11.1	2
42	Luther-Emery liquid in the NMR relaxation rate of carbon nanotubes. Physica Status Solidi (B): Basic Research, 2008, 245, 2159-2163.	0.7	2
43	2D-NMR spectroscopy of SDW systems. Synthetic Metals, 1993, 56, 2803-2807.	2.1	1
44	Dynamic properties of commensurate and incommensurate spin density waves as probed by $^{13}\text{C}$ NMR. Synthetic Metals, 1993, 56, 2581-2586.	2.1	1
45	Motional narrowing of the nuclear magnetic resonance line by the sliding of spin-density waves. Journal De Physique, I, 1993, 3, 1501-1505.	1.2	1
46	NMR and EPR analysis of spin and lattice fluctuations in the two-chain family of organic conductors Perylene <sub>2</sub> [M(mnt) <sub>2</sub> (M= Pt, Au). Synthetic Metals, 1991, 42, 2339-2342.	2.1	0
47	Vortex dynamics in organic superconductors. Synthetic Metals, 1997, 85, 1487-1491.	2.1	0