

Pawel Wzietek

List of Publications by Year in descending order

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47
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394286

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47
all docs

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docs citations

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times ranked

1631
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum spin-liquid states in an organic magnetic layer and molecular rotor hybrid. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29555-29560.	3.3	5
2	Nanoscale rotational dynamics of four independent rotators confined in crowded crystalline layers. Nanoscale, 2020, 12, 8294-8302.	2.8	8
3	Asymmetric Choreography in Pairs of Orthogonal Rotors. ACS Omega, 2018, 3, 1293-1297.	1.6	14
4	Static Modulation Wave of Arrays of Halogen Interactions Transduced to a Hierarchy of Nanoscale Change Stimuli of Crystalline Rotors Dynamics. Nano Letters, 2018, 18, 3780-3784.	4.5	13
5	Gearing motion in cogwheel pairs of molecular rotors: weak-coupling limit. CrystEngComm, 2015, 17, 7829-7834.	1.3	23
6	A Crystalline Hybrid of Paddlewheel Copper(II) Dimers and Molecular Rotors: Singlet-Triplet Dynamics Revealed by Variable-Temperature Proton Spin-Lattice Relaxation. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1127-1133.	0.6	14
7	Changing gears to neutral in a polymorph of one-dimensional arrays of cogwheel-like pairs of molecular rotors. CrystEngComm, 2014, 16, 1241.	1.3	14
8	Reversible Control of Crystalline Rotors by Squeezing Their Hydrogen Bond Cloud Across a Halogen Bond-Mediated Phase Transition. Crystal Growth and Design, 2014, 14, 3375-3383.	1.4	31
9	Crystalline Arrays of Pairs of Molecular Rotors: Correlated Motion, Rotational Barriers, and Space-Inversion Symmetry Breaking Due to Conformational Mutations. Journal of the American Chemical Society, 2013, 135, 9366-9376.	6.6	92
10	Design and Evaluation of a Crystalline Hybrid of Molecular Conductors and Molecular Rotors. Journal of the American Chemical Society, 2012, 134, 7880-7891.	6.6	52
11	Lutherium liquid in the NMR relaxation rate of carbon nanotubes. Physica Status Solidi (B): Basic Research, 2008, 245, 2159-2163.	0.7	2
12	(EDT-TTF-CONH ₂) ₆ [Re ₆ Se ₈ (CN) ₆], a Metallic Kagome-Type Organic-Inorganic Hybrid Compound: Electronic Instability, Molecular Motion, and Charge Localization. Journal of the American Chemical Society, 2005, 127, 11785-11797.	6.6	80
13	Magnetic properties of frustrated two-dimensional S = 1/2 antiferromagnets on a square lattice. Journal of Physics Condensed Matter, 2004, 16, S849-S856.	0.7	13
14	¹³ C NMR on the S = 1/2 antiferromagnetically coupled spin chain compound [PM-Cu(NO ₃) ₂ ·(H ₂ O) ₂] _n (PM=pyrimidine). Polyhedron, 2003, 22, 2273-2276.	1.0	4
15	Universality and Critical Behavior at the Mott Transition. Science, 2003, 302, 89-92.	6.0	305
16	(Sr/Ca) ₁₄ Cu ₂₄ O ₄₁ spin ladders studied by NMR under pressure. European Physical Journal B, 2001, 24, 443-456.	0.6	19
17	Mott Transition, Antiferromagnetism, and Unconventional Superconductivity in Layered Organic Superconductors. Physical Review Letters, 2000, 85, 5420-5423.	2.9	349
18	Transport and NMR under pressure in the superconducting spin ladder: Sr ₂ Ca ₁₂ Cu ₂₄ O ₄₁ . Synthetic Metals, 1999, 103, 2632-2635.	2.1	4

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19	Structural Transition in the Quasi-Two-Dimensional Organic Superconductor $\hat{I}^{\circ}(\text{ET})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ Studied by ^{13}C MAS NMR. <i>Advanced Materials</i> , 1998, 10, 797-801.	11.1	2
20	Vortex dynamics in organic superconductors. <i>Synthetic Metals</i> , 1997, 85, 1487-1491.	2.1	0
21	NMR in the (BEDT) $2X$ organic superconductors. <i>Synthetic Metals</i> , 1997, 85, 1511-1514.	2.1	4
22	Examination of the antiferromagnetic ground state of the bechgaard salts. <i>Synthetic Metals</i> , 1997, 86, 1937-1940.	2.1	12
23	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
24	Evidence from ^1H -NMR for a Crossover from "Local-Moment" 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
25	NMR in the 2D Organic Superconductors. <i>Journal De Physique</i> , I, 1996, 6, 2011-2041.	1.2	43
26	Comment on "13C NMR Study of Layered Organic Superconductors Based on BEDT-TTF Molecules". <i>Physical Review Letters</i> , 1995, 75, 3586-3586.	2.9	6
27	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
28	Superconducting State of $\hat{I}^{\circ}(\text{ET})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ Studied by ^{13}C NMR: Evidence for Vortex-Core-Induced Nuclear Relaxation and Unconventional Pairing. <i>Physical Review Letters</i> , 1995, 75, 4122-4125.	2.9	189
29	(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
30	^{13}C NMR Study of a Quasi-Two-Dimensional Organic Superconductor $\hat{I}^{\circ}(\text{ET})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$. <i>Europhysics Letters</i> , 1994, 28, 205-210.	0.7	151
31	2D-NMR spectroscopy of SDW systems. <i>Synthetic Metals</i> , 1993, 56, 2803-2807.	2.1	1
32	Dynamic properties of commensurate and incommensurate spin density waves as probed by ^{13}C NMR. <i>Synthetic Metals</i> , 1993, 56, 2581-2586.	2.1	1
33	NMR spectroscopy in $\text{K}_3\text{C}_6\text{O}$ as a function of temperature and pressure. <i>Synthetic Metals</i> , 1993, 56, 3154-3159.	2.1	3
34	C_6O doped with organic cations: Magnetic resonance measurements. <i>Synthetic Metals</i> , 1993, 56, 3235-3239.	2.1	2
35	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
36	NMR in Commensurate and Incommensurate Spin Density Waves. <i>Europhysics Letters</i> , 1993, 21, 87-92.	0.7	71

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37	Nuclear relaxation and electronic correlations in quasi-one-dimensional organic conductors. II. Experiments. Journal De Physique, I, 1993, 3, 171-201.	1.2	108
38	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
39	Electron-electron interaction in organic conductors: An NMR approach. Synthetic Metals, 1991, 42, 2435-2438.	2.1	7
40	NMR and EPR analysis of spin and lattice fluctuations in the two-chain family of organic conductors Perylene ₂ [M(mnt) ₂ (M= Pt, Au). Synthetic Metals, 1991, 42, 2339-2342.	2.1	0
41	NMR study of (TMTTF) ₂ Br. Synthetic Metals, 1991, 42, 1735-1739.	2.1	2
42	Nuclear and electronic resonance approaches to magnetic and lattice fluctuations in the two-chain family of organic compounds (perylene) ₂ [M(S ₂ C ₂ (CN) ₂) ₂] (M=Pt,Au). Physical Review B, 1991, 44, 641-651.	1.1	40
43	NMR and EPR Approaches to Magnetic Properties of (TMTTF) ₂ Br. Europhysics Letters, 1990, 12, 453-458.	0.7	10
44	Scaling relation between nuclear relaxation and magnetic susceptibility in organic conductors: Evidence for 1D paramagnon effects. Physical Review Letters, 1989, 62, 1532-1535.	2.9	49
45	¹⁷ O NMR in YBa ₂ Cu ₃ O _{7-δ} Superconductors. Europhysics Letters, 1989, 8, 363-368.	0.7	26
46	An NMR analysis of magnetic correlations and dimensionality in organic conductors. Synthetic Metals, 1988, 27, 65-70.	2.1	4
47	NMR Analysis of Spin Fluctuations in the Organic Conductor TTF[Ni(dmit) ₂] ₂ . Europhysics Letters, 1988, 6, 177-182.	0.7	43