

# Daniel J Wegner

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,261  
citations

361413

20  
h-index

377865

34  
g-index

53  
all docs

53  
docs citations

53  
times ranked

2328  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-layer $\text{MoS}_2$ on Au(111): Band gap renormalization and substrate interaction. <i>Physical Review B</i> , 2016, 93, .	12.8	420
2	Creating designer quantum states of matter atom-by-atom. <i>Nature Reviews Physics</i> , 2019, 1, 703-715.	26.6	102
3	Single-Molecule Charge Transfer and Bonding at an Organic/Inorganic Interface: Tetracyanoethylene on Noble Metals. <i>Nano Letters</i> , 2008, 8, 131-135.	9.1	88
4	Spatially resolved electronic and vibronic properties of single diamondoid molecules. <i>Nature Materials</i> , 2008, 7, 38-42.	27.5	87
5	Sequencing of idiopathic pulmonary fibrosis-related genes reveals independent single gene associations. <i>BMJ Open Respiratory Research</i> , 2014, 1, e000057.	3.0	69
6	Strongly Reshaped Organic-Metal Interfaces: Tetracyanoethylene on Cu(100). <i>Physical Review Letters</i> , 2008, 101, 216105.	7.8	57
7	Tuning Molecule-Mediated Spin Coupling in Bottom-Up-Fabricated Vanadium-Tetracyanoethylene Nanostructures. <i>Physical Review Letters</i> , 2009, 103, 087205.	7.8	57
8	Colour-tunable asymmetric cyclometalated Pt(II) complexes and STM-assisted stability assessment of ancillary ligands for OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2560-2565.	5.5	51
9	Scanning Tunneling Spectroscopy Directed Design of Tailored Deep Blue Emitters. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 786-791.	13.8	49
10	Bi-allelic POLR3A Loss-of-Function Variants Cause Autosomal-Recessive Wiedemann-Rautenstrauch Syndrome. <i>American Journal of Human Genetics</i> , 2018, 103, 968-975.	6.2	43
11	An orbitally derived single-atom magnetic memory. <i>Nature Communications</i> , 2018, 9, 3904.	12.8	34
12	Spatial Resolution of a Type II Heterojunction in a Single Bipolar Molecule. <i>Nano Letters</i> , 2009, 9, 3963-3967.	9.1	27
13	Design and performance of an ultra-high vacuum spin-polarized scanning tunneling microscope operating at 30 mK and in a vector magnetic field. <i>Review of Scientific Instruments</i> , 2018, 89, 033902.	1.3	27
14	Structure Prediction for Surface-Induced Phases of Organic Monolayers: Overcoming the Combinatorial Bottleneck. <i>Nano Letters</i> , 2017, 17, 4453-4460.	9.1	26
15	Self-induced spin glass state in elemental and crystalline neodymium. <i>Science</i> , 2020, 368, .	12.6	24
16	Variable cardiovascular phenotypes associated with SMAD2 pathogenic variants. <i>Human Mutation</i> , 2018, 39, 1875-1884.	2.5	23
17	A Recurrent Gain-of-Function Mutation in CLCN6, Encoding the CLC-6 $\text{Cl}^-/\text{H}^+$ -Exchanger, Causes Early-Onset Neurodegeneration. <i>American Journal of Human Genetics</i> , 2020, 107, 1062-1077.	6.2	23
18	Phenotypic expansion of KMT2D-related disorder: Beyond Kabuki syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2020, 182, 1053-1065.	1.2	23

#	ARTICLE	IF	CITATIONS
19	Sensing Noncollinear Magnetism at the Atomic Scale Combining Magnetic Exchange and Spin-Polarized Imaging. <i>Nano Letters</i> , 2017, 17, 5660-5665.	9.1	22
20	Anisotropic Two-Dimensional Screening at the Surface of Black Phosphorus. <i>Physical Review Letters</i> , 2019, 123, 216403.	7.8	21
21	Absence of superconductivity in ultrathin layers of FeSe synthesized on a topological insulator. <i>Physical Review B</i> , 2016, 94, .	3.2	20
22	Rashba-type spin splitting from interband scattering in quasiparticle interference maps. <i>Physical Review B</i> , 2013, 87, .	3.2	19
23	Adsorption Site Determination of a Molecular Monolayer via Inelastic Tunneling. <i>Nano Letters</i> , 2013, 13, 2346-2350.	9.1	17
24	Commonalities across computational workflows for uncovering explanatory variants in undiagnosed cases. <i>Genetics in Medicine</i> , 2021, 23, 1075-1085.	2.4	16
25	Unraveling Orbital Hybridization of Triplet Emitters at the Metal-Organic Interface. <i>Physical Review Letters</i> , 2013, 111, 267401.	7.8	15
26	Hybridisation at the organic-metal interface: a surface-scientific analogue of Hückel's rule?. <i>Chemical Communications</i> , 2013, 49, 5993.	4.1	15
27	Spectroscopic mapping and selective electronic tuning of molecular orbitals in phosphorescent organometallic complexes – a new strategy for OLED materials. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 2248-2258.	2.8	15
28	The Genomics of Neonatal Abstinence Syndrome. <i>Frontiers in Pediatrics</i> , 2017, 5, 176.	1.9	13
29	A mutation in Site 1 Protease is associated with a complex phenotype that includes episodic hyperkalemia and focal myoedema. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2019, 7, e00733.	1.2	13
30	Functional characterization of four ATP-binding cassette transporter A3 gene ( <i>ABCA3</i> ) variants. <i>Human Mutation</i> , 2020, 41, 1298-1307.	2.5	13
31	Plasmon-Driven Motion of an Individual Molecule. <i>Nano Letters</i> , 2021, 21, 5006-5012.	9.1	13
32	Adsorption and STM imaging of tetracyanoethylene on Ag(001): An <i>ab initio</i> study. <i>Physical Review B</i> , 2014, 89, .	3.2	12
33	Discovery of a novel <i>CHD7</i> CHARGE syndrome variant by integrated omics analyses. <i>American Journal of Medical Genetics, Part A</i> , 2021, 185, 544-548.	1.2	10
34	Novel exon-skipping variant disrupting the basic domain of <i>HCFC1</i> causes intellectual disability without metabolic abnormalities in both male and female patients. <i>Journal of Human Genetics</i> , 2021, 66, 717-724.	2.3	10
35	Phenotype and response to growth hormone therapy in siblings with <i>B4GALT7</i> deficiency. <i>Bone</i> , 2019, 124, 14-21.	2.9	9
36	Exchange Splittings of Lanthanide (0001)-Surface States and Their Dependences on Short-Range Magnetic Order. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 1941-1945.	1.5	8

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37	Revealing the correlation between real-space structure and chiral magnetic order at the atomic scale. <i>Physical Review B</i> , 2018, 97, .	3.2	7
38	Quantifying exchange forces of a spin spiral on the atomic scale. <i>Nature Communications</i> , 2020, 11, 1197.	12.8	7
39	Creating Tunable Quantum Corrals on a Rashba Surface Alloy. <i>ACS Nano</i> , 2022, 16, 4876-4883.	14.6	7
40	Thermally induced magnetic order from glassiness in elemental neodymium. <i>Nature Physics</i> , 2022, 18, 905-911.	16.7	7
41	Synonymous ABCA3 Variants Do Not Increase Risk for Neonatal Respiratory Distress Syndrome. <i>Journal of Pediatrics</i> , 2014, 164, 1316-1321.e3.	1.8	6
42	Digenic Variants in the FGF21 Signaling Pathway Associated with Severe Insulin Resistance and Pseudoacromegaly. <i>Journal of the Endocrine Society</i> , 2020, 4, bvaa138.	0.2	6
43	Deposition and Self-Assembly of Large Magnetic Molecules. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28660-28665.	3.1	4
44	Correlating electronic and magnetic coupling in large magnetic molecules via scanning tunneling microscopy. <i>Physical Review B</i> , 2017, 95, .	3.2	4
45	Precise breakpoint detection in a patient with 9pâ€“ syndrome. <i>Journal of Physical Education and Sports Management</i> , 2020, 6, a005348.	1.2	4
46	Biallelic <sc><i>ASCC1</i></sc> variants including a novel intronic variant result in expanded phenotypic spectrum of spinal muscular atrophy with congenital bone fractures 2 (<sc>SMABF2</sc>). <i>American Journal of Medical Genetics, Part A</i> , 2021, 185, 2190-2197.	1.2	4
47	Local Electronic Properties of Titanocene Chloride Dimer Molecules on a Metal Surface. <i>Journal of Physical Chemistry C</i> , 2009, 113, 677-680.	3.1	3
48	Frontispiece: Scanningâ€“Tunnelingâ€“Spectroscopyâ€“Directed Design of Tailored Deepâ€“Blue Emitters. <i>Angewandte Chemie - International Edition</i> , 2015, 54, .	13.8	3
49	Influence of Morphology on Quantum-Well States of Yb on W(110). <i>Japanese Journal of Applied Physics</i> , 2006, 45, 1937-1940.	1.5	2
50	Indication of a nonmagnetic surface layer on a magnetic single crystal. <i>Physical Review B</i> , 2009, 79, .	3.2	2
51	Gene variants of the phosphatidylcholine synthesis pathway do not contribute to RDS inÂthe Chinese population. <i>World Journal of Pediatrics</i> , 2018, 14, 52-56.	1.8	1