

# 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  | Creating Tunable Quantum Corrals on a Rashba Surface Alloy. ACS Nano, 2022, 16, 4876-4883.   | 14.6 | 7         |
| 2  | Thermally induced magnetic order from glassiness in elemental neodymium. Nature Physics, 2022, 18, 905-911.  | 16.7 | 7         |
| 3  | Discovery of a novel <i>CHD7</i> CHARGE syndrome variant by integrated omics analyses. American Journal of Medical Genetics, Part A, 2021, 185, 544-548.   | 1.2  | 10        |
| 4  | Commonalities across computational workflows for uncovering explanatory variants in undiagnosed cases. Genetics in Medicine, 2021, 23, 1075-1085.  | 2.4  | 16        |
| 5  | Biallelic <i>ASCC1</i> variants including a novel intronic variant result in expanded phenotypic spectrum of spinal muscular atrophy with congenital bone fractures 2 ( <i>SMABF2</i> ). American Journal of Medical Genetics, Part A, 2021, 185, 2190-2197. | 1.2  | 4         |
| 6  | Plasmon-Driven Motion of an Individual Molecule. Nano Letters, 2021, 21, 5006-5012.  | 9.1  | 13        |
| 7  | Novel exon-skipping variant disrupting the basic domain of HCFC1 causes intellectual disability without metabolic abnormalities in both male and female patients. Journal of Human Genetics, 2021, 66, 717-724.  | 2.3  | 10        |
| 8  | A Recurrent Gain-of-Function Mutation in <i>CLCN6</i> , Encoding the Cl <sup>-</sup> /H <sup>+</sup> -Exchanger, Causes Early-Onset Neurodegeneration. American Journal of Human Genetics, 2020, 107, 1062-1077.   | 6.2  | 23        |
| 9  | Self-induced spin glass state in elemental and crystalline neodymium. Science, 2020, 368, .  | 12.6 | 24        |
| 10 | Precise breakpoint detection in a patient with 9p <sup>+</sup> syndrome. Journal of Physical Education and Sports Management, 2020, 6, a005348.  | 1.2  | 4         |
| 11 | Quantifying exchange forces of a spin spiral on the atomic scale. Nature Communications, 2020, 11, 1197.   | 12.8 | 7         |
| 12 | Functional characterization of four ATP-binding cassette transporter A3 gene ( <i>ABCA3</i> ) variants. Human Mutation, 2020, 41, 1298-1307.   | 2.5  | 13        |
| 13 | Phenotypic expansion of <i>KMT2D</i> -related disorder: Beyond Kabuki syndrome. American Journal of Medical Genetics, Part A, 2020, 182, 1053-1065.  | 1.2  | 23        |
| 14 | Digenic Variants in the FGF21 Signaling Pathway Associated with Severe Insulin Resistance and Pseudoacromegaly. Journal of the Endocrine Society, 2020, 4, bvaa138.  | 0.2  | 6         |
| 15 | Creating designer quantum states of matter atom-by-atom. Nature Reviews Physics, 2019, 1, 703-715.   | 26.6 | 102       |
| 16 | A mutation in Site 1 Protease is associated with a complex phenotype that includes episodic hyperCKemia and focal myoedema. Molecular Genetics & Genomic Medicine, 2019, 7, e00733.  | 1.2  | 13        |
| 17 | Phenotype and response to growth hormone therapy in siblings with <i>B4GALT7</i> deficiency. Bone, 2019, 124, 14-21.   | 2.9  | 9         |
| 18 | Anisotropic Two-Dimensional Screening at the Surface of Black Phosphorus. Physical Review Letters, 2019, 123, 216403.  | 7.8  | 21        |

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|----|--|------|-----------|
| 19 | 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        |
| 20 | 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         |
| 21 | Gene variants of the phosphatidylcholine synthesis pathway do not contribute to RDS in the Chinese population. <i>World Journal of Pediatrics</i> , 2018, 14, 52-56.   | 1.8  | 1         |
| 22 | 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        |
| 23 | An orbitally derived single-atom magnetic memory. <i>Nature Communications</i> , 2018, 9, 3904.  | 12.8 | 34        |
| 24 | Variable cardiovascular phenotypes associated with SMAD2 pathogenic variants. <i>Human Mutation</i> , 2018, 39, 1875-1884.   | 2.5  | 23        |
| 25 | Correlating electronic and magnetic coupling in large magnetic molecules via scanning tunneling microscopy. <i>Physical Review B</i> , 2017, 95, .   | 3.2  | 4         |
| 26 | 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        |
| 27 | Structure Prediction for Surface-Induced Phases of Organic Monolayers: Overcoming the Combinatorial Bottleneck. <i>Nano Letters</i> , 2017, 17, 4453-4460.   | 9.1  | 26        |
| 28 | The Genomics of Neonatal Abstinence Syndrome. <i>Frontiers in Pediatrics</i> , 2017, 5, 176.   | 1.9  | 13        |
| 29 | 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        |
| 30 | Absence of superconductivity in ultrathin layers of FeSe synthesized on a topological insulator. <i>Physical Review B</i> , 2016, 94, .  | 3.2  | 20        |
| 31 | Single-layer MoS <sub>2</sub> on Au(111): Band gap renormalization and substrate interaction. <i>Physical Review B</i> , 2016, 93, .   | 12.8 | 120       |
| 32 | Frontispiece: Scanning Tunneling Spectroscopy-Directed Design of Tailored Deep Blue Emitters. <i>Angewandte Chemie - International Edition</i> , 2015, 54, .   | 13.8 | 3         |
| 33 | Deposition and Self-Assembly of Large Magnetic Molecules. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28660-28665.   | 3.1  | 4         |
| 34 | Scanning Tunneling Spectroscopy-Directed Design of Tailored Deep Blue Emitters. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 786-791.  | 13.8 | 49        |
| 35 | 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        |
| 36 | Sequencing of idiopathic pulmonary fibrosis-related genes reveals independent single gene associations. <i>BMJ Open Respiratory Research</i> , 2014, 1, e000057.   | 3.0  | 69        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | 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        |
| 38 | 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         |
| 39 | Unraveling Orbital Hybridization of Triplet Emitters at the Metal-Organic Interface. <i>Physical Review Letters</i> , 2013, 111, 267401.                                       | 7.8  | 15        |
| 40 | Hybridisation at the organic-metal interface: a surface-scientific analogue of Hückel's rule?. <i>Chemical Communications</i> , 2013, 49, 5993.                                | 4.1  | 15        |
| 41 | Adsorption Site Determination of a Molecular Monolayer via Inelastic Tunneling. <i>Nano Letters</i> , 2013, 13, 2346-2350.   | 9.1  | 17        |
| 42 | Rashba-type spin splitting from interband scattering in quasiparticle interference maps. <i>Physical Review B</i> , 2013, 87, .  | 3.2  | 19        |
| 43 | Tuning Molecule-Mediated Spin Coupling in Bottom-Up-Fabricated Vanadium-Tetracyanoethylene Nanostructures. <i>Physical Review Letters</i> , 2009, 103, 087205.                 | 7.8  | 57        |
| 44 | Indication of a nonmagnetic surface layer on a magnetic single crystal. <i>Physical Review B</i> , 2009, 79, .   | 3.2  | 2         |
| 45 | 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         |
| 46 | Spatial Resolution of a Type II Heterojunction in a Single Bipolar Molecule. <i>Nano Letters</i> , 2009, 9, 3963-3967.   | 9.1  | 27        |
| 47 | Spatially resolved electronic and vibronic properties of single diamondoid molecules. <i>Nature Materials</i> , 2008, 7, 38-42.  | 27.5 | 87        |
| 48 | 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        |
| 49 | Strongly Reshaped Organic-Metal Interfaces: Tetracyanoethylene on Cu(100). <i>Physical Review Letters</i> , 2008, 101, 216105.   | 7.8  | 57        |
| 50 | 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         |
| 51 | 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         |