

Daniel Wolf

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

1,399
citations

236925

25
h-index

361022

35
g-index

82
all docs

82
docs citations

82
times ranked

2070
citing authors

#	ARTICLE	IF	CITATIONS
1	Conjugated Polymer-Gold-Silver Hybrid Nanoparticles for Plasmonic Energy Focusing. Journal of Physical Chemistry C, 2022, 126, 2475-2481.	3.1	4
2	Direct Deposition of $(\text{Bi}_x\text{Sb}_{1-x})_2\text{Te}_3$ Nanosheets on Si/SiO_2 Substrates by Chemical Vapor Transport. Crystal Growth and Design, 2022, 22, 2354-2363.	3.0	1
3	Unveiling the three-dimensional magnetic texture of skyrmion tubes. Nature Nanotechnology, 2022, 17, 250-255.	31.5	45
4	Observation of fractional spin textures in a Heusler material. Nature Communications, 2022, 13, 2348.	12.8	9
5	Size-Specific Magnetic Configurations in Electrodeposited Epitaxial Iron Nanocuboids: From Landau Pattern to Vortex and Single Domain States. Nano Letters, 2022, 22, 4006-4012.	9.1	5
6	Synthesis of micro- and nanosheets of CrCl_3 - RuCl_3 solid solution by chemical vapour transport. Nanoscale, 2022, 14, 10483-10492.	5.6	3
7	Freestanding Nanolayers of a Wide-Gap Topological Insulator through Liquid-Phase Exfoliation. Chemistry - A European Journal, 2021, 27, 794-801.	3.3	5
8	Multi-walled carbon nanotube dispersion methodologies in alkaline media and their influence on mechanical reinforcement of alkali-activated nanocomposites. Composites Part B: Engineering, 2021, 209, 108559.	12.0	18
9	Layered van der Waals Topological Metals of TaTMTe_4 (TM = Ir, Rh, Ru) Family. Journal of Physical Chemistry Letters, 2021, 12, 6730-6735.	4.6	8
10	Field tunable three-dimensional magnetic nanotextures in cobalt-nickel nanowires. Physical Review Research, 2021, 3, .	3.6	6
11	Off-axis Electron Holography on 2D Materials with Small Coherent and Incoherent Aberrations. Microscopy and Microanalysis, 2021, 27, 128-129.	0.4	0
12	Voltage-controlled ON switching and manipulation of magnetization via the redox transformation of Fe^{2+} - Fe^{3+} nanoplakelets. Journal Physics D: Applied Physics, 2020, 53, 084001.	2.8	10
13	Thermodynamic Evaluation and Chemical Vapor Transport of Few-Layer WTe_2 . Crystal Growth and Design, 2020, 20, 7341-7349.	3.0	7
14	2D and 3D Electron Holography Revealing Complex Magnetic Configurations in CoNi Nanowires. Microscopy and Microanalysis, 2020, 26, 1544-1545.	0.4	1
15	Incommensurate magnet iron monophosphide FeP: Crystal growth and characterization. Physical Review Materials, 2020, 4, .	2.4	5
16	Polymorphic PtBi_2 : Growth, structure, and superconducting properties. Physical Review Materials, 2020, 4, .	2.4	5
17	Autocorrected off-axis holography of two-dimensional materials. Physical Review Research, 2020, 2, .	3.6	5
18	Nanoscale spectroscopic imaging of GaAs-AlGaAs quantum well tube nanowires: correlating luminescence with nanowire size and inner multishell structure. Nanophotonics, 2019, 8, 1567-1577.	6.0	8

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19	Holographic vector field electron tomography of three-dimensional nanomagnets. Communications Physics, 2019, 2, .	5.3	45
20	Magnetic Nanoparticle Chains in Gelatin Ferrogels: Bioinspiration from Magnetotactic Bacteria. Advanced Functional Materials, 2019, 29, 1905996.	14.9	23
21	Chromium Trihalides Cr ₃ (X = Cl, Br, I): Direct Deposition of Micro- and Nanosheets on Substrates by Chemical Vapor Transport. Advanced Materials Interfaces, 2019, 6, 1901410.	3.7	37
22	Simulation and synthesis of $\hat{\Gamma}$ -MoCl ₃ nanosheets on substrates by short time chemical vapor transport. Nano Structures Nano Objects, 2019, 19, 100324.	3.5	12
23	Three-Dimensional Imaging of Beam-Induced Biasing of InP/GaInP Tunnel Diodes. Nano Letters, 2019, 19, 3490-3497.	9.1	4
24	Silver Particles with Rhombicuboctahedral Shape and Effective Isotropic Interactions with Light. Chemistry of Materials, 2019, 31, 2822-2827.	6.7	9
25	Nanomorphology Effects in Semiconductors with Native Ferromagnetism: Hierarchical Europium (II) Oxide Tubes Prepared via a Topotactic Nanostructure Transition. Advanced Materials, 2018, 30, 1703612.	21.0	9
26	Magnetic Configurations in Three-Dimensional Nanomagnets Explored by Electron Holographic Tomography. Microscopy and Microanalysis, 2018, 24, 914-915.	0.4	1
27	Chemical vapor growth and delamination of $\hat{\Gamma}$ -RuCl ₃ nanosheets down to the monolayer limit. Nanoscale, 2018, 10, 19014-19022.	5.6	36
28	Induction Mapping of the 3D-Modulated Spin Texture of Skyrmions in Thin Helimagnets. Physical Review Letters, 2018, 120, 217201.	7.8	26
29	Three-Dimensional Composition and Electric Potential Mapping of III-V Core-Multishell Nanowires by Correlative STEM and Holographic Tomography. Nano Letters, 2018, 18, 4777-4784.	9.1	27
30	Towards Induction Mapping of the 3D Spin Texture of Skyrmions. Microscopy and Microanalysis, 2018, 24, 930-931.	0.4	1
31	Electron Tomography for 3D Imaging of Nanoscale Materials. Praktische Metallographie/Practical Metallography, 2018, 55, 527-538.	0.3	1
32	Nanorattles with tailored electric field enhancement. Nanoscale, 2017, 9, 9376-9385.	5.6	76
33	Interpreting drivers of change in fluvial archives of the Western Mediterranean - A critical view. Earth-Science Reviews, 2017, 174, 53-83.	9.1	40
34	Model-based magnetization retrieval from holographic phase images. Ultramicroscopy, 2017, 176, 177-187.	1.9	1
35	Three-dimensional Induction Mapping of Magnetic Nanoscale Materials by Electron Holographic Tomography. Microscopy and Microanalysis, 2016, 22, 1690-1691.	0.4	1
36	River braiding caused by rapid floodplain deformation - Insights from Holocene dynamics of the Jarama River in central Spain. Quaternary International, 2016, 407, 126-139.	1.5	11

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37	Granulometrical, mineralogical and geochemical characterization of loess deposits in the Tajo Basin. Quaternary International, 2016, 407, 14-28.	1.5	15
38	Quantitative determination of elastic and inelastic attenuation coefficients by off-axis electron holography. Ultramicroscopy, 2016, 171, 26-33.	1.9	9
39	Fundamentals of Focal Series Inline Electron Holography. Advances in Imaging and Electron Physics, 2016, 197, 105-147.	0.2	3
40	3D mapping of nanoscale electric potentials in semiconductor structures using electron-holographic tomography. Journal Physics D: Applied Physics, 2016, 49, 364004.	2.8	8
41	Evidence for humid conditions during the last glacial from leaf wax patterns in the loess "paleosol sequence El Paraíso, Central Spain. Quaternary International, 2016, 407, 64-73.	1.5	15
42	Loess in Armenia " stratigraphic findings and palaeoenvironmental indications. Proceedings of the Geologists Association, 2016, 127, 29-39.	1.1	26
43	Synthesis and Three-Dimensional Magnetic Field Mapping of Co ₂ FeGa Heusler Nanowires at 5 nm Resolution. Nano Letters, 2016, 16, 114-120.	9.1	39
44	Western Mediterranean environmental changes: Evidences from fluvial archives. Quaternary Science Reviews, 2015, 122, 30-50.	3.0	27
45	3D Magnetic Induction Maps of Nanoscale Materials Revealed by Electron Holographic Tomography. Chemistry of Materials, 2015, 27, 6771-6778.	6.7	64
46	Nanoscale three-dimensional reconstruction of elastic and inelastic mean free path lengths by electron holographic tomography. Applied Physics Letters, 2014, 105, .	3.3	13
47	Nanometer-scale tomographic reconstruction of three-dimensional electrostatic potentials in GaAs/AlGaAs core-shell nanowires. Physical Review B, 2014, 90, .	3.2	28
48	Nanoscale three-dimensional reconstruction of electric and magnetic stray fields around nanowires. Applied Physics Letters, 2014, 105, .	3.3	20
49	Weighted simultaneous iterative reconstruction technique for single-axis tomography. Ultramicroscopy, 2014, 136, 15-25.	1.9	61
50	A rheological and microscopical characterization of biocompatible ferrofluids. Journal of Magnetism and Magnetic Materials, 2014, 354, 98-104.	2.3	35
51	Fluvial system response to external forcing and human impact "ate Pleistocene and Holocene fluvial dynamics of the lower Guadalquivir in western Andalucía (Spain). Boreas, 2014, 43, 422-449.	2.4	27
52	Helical Packing of Nanoparticles Confined in Cylindrical Domains of a Self-Assembled Block Copolymer Structure. Angewandte Chemie - International Edition, 2014, 53, 9090-9093.	13.8	55
53	Noise estimation for off-axis electron holography. Ultramicroscopy, 2014, 144, 32-42.	1.9	31
54	Electron holography for fields in solids: Problems and progress. Ultramicroscopy, 2013, 134, 126-134.	1.9	36

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55	Sponge-like Si-SiO ₂ nanocomposite Morphology studies of spinodally decomposed silicon-rich oxide. Applied Physics Letters, 2013, 103, 131911.	3.3	10
56	CuTe: Remarkable Bonding Features as a Consequence of a Charge Density Wave. Angewandte Chemie - International Edition, 2013, 52, 862-865.	13.8	23
57	Electron holographic tomography. Current Opinion in Solid State and Materials Science, 2013, 17, 126-134.	11.5	50
58	Holocene sediment fluxes in a fragile loess landscape (Saxony, Germany). Catena, 2013, 103, 87-102.	5.0	31
59	Late Quaternary fluvial dynamics of the Jarama River in central Spain. Quaternary International, 2013, 302, 20-41.	1.5	27
60	Tomographic investigation of fermi level pinning at focused ion beam milled semiconductor surfaces. Applied Physics Letters, 2013, 103, .	3.3	23
61	Retrofitting an older (S)TEM with two <i>C_s</i> aberration correctors for 80 kV and 60 kV operation. Journal of Microscopy, 2013, 249, 87-92.	1.8	18
62	Electrostatic Potentials of Nanostructures Revealed in 3D by Electron Holographic Tomography. Microscopy and Microanalysis, 2013, 19, 580-581.	0.4	0
63	Development and Application of Electron Holographic Tomography for the Three- Dimensional Mapping of Electrostatic Potentials. Microscopy and Microanalysis, 2013, 19, 1362-1363.	0.4	1
64	Electron Holography at Low Voltages Exemplified by Graphene. Microscopy and Microanalysis, 2013, 19, 1384-1385.	0.4	0
65	Lattice Expansion in Seamless Bilayer Graphene Constrictions at High Bias. Nano Letters, 2012, 12, 4455-4459.	9.1	32
66	Electron holographic tomography for mapping the three-dimensional distribution of electrostatic potential in III-V semiconductor nanowires. Applied Physics Letters, 2011, 98, .	3.3	40
67	The effect of dynamical scattering in off-axis holographic mean inner potential and inelastic mean free path measurements. Ultramicroscopy, 2010, 110, 438-446.	1.9	38
68	TEM and electron holography analyses of granular and thin layered Cu-Co magnetic materials. Ultramicroscopy, 2010, 110, 433-437.	1.9	4
69	Towards automated electron holographic tomography for 3D mapping of electrostatic potentials. Ultramicroscopy, 2010, 110, 390-399.	1.9	57
70	Electron tomography of III-V quantum dots using dark field 002 imaging conditions. Journal of Microscopy, 2010, 237, 148-154.	1.8	5
71	Three-dimensional potential mapping of nanostructures with electron-holographic tomography. , 2008, , 339-340.		3
72	Electron tomography of mesostructured cellular foam silica. , 2008, , 301-302.		0

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73	Comparison of 3D potential structures at different pn-junctions in FIB-prepared silicon and germanium samples measured by electron-holographic tomography. , 2008, , 21-22.		0
74	Detailed investigation of a tunnel oxide defect in a flash memory cell using TEM-tomography. , 2008, , 29-30.		0
75	Characterization of Ni-Mn-Ga magnetic shape memory alloys using electron holography and Lorentz microscopy. , 2008, , 629-630.		0
76	Towards Quantitative Electron-Holographic Tomography. Microscopy and Microanalysis, 2007, 13, 112-113.	0.4	3