

Sven Linzen

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

348
citations

840776

11
h-index

839539

18
g-index

26
all docs

26
docs citations

26
times ranked

386
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Low-Temperature Magnetotransport Properties of NbN Thin Films Grown by Atomic Layer Deposition. <i>Magnetochemistry</i> , 2022, 8, 33.	2.4	0
2	Wafer-level uniformity of atomic-layer-deposited niobium nitride thin films for quantum devices. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021, 39, 052401.	2.1	11
3	High-Resolution Direct Push Sensing in Wetland Geoarchaeologyâ€”First Traces of Off-Site Construction Activities at the Fossa Carolina. <i>Remote Sensing</i> , 2021, 13, 4647.	4.0	0
4	Non-invasive prospection techniques and direct push sensing as high-resolution validation tools in wetland geoarchaeology â€” Artificial water supply at a Carolingian canal in South Germany?. <i>Journal of Applied Geophysics</i> , 2020, 173, 103928.	2.1	11
5	792 or 793? Charlemagneâ€™s canal project: craft, nature and memory. <i>Early Medieval Europe</i> , 2020, 28, 444-465.	0.5	5
6	Sediment budgeting of short-term backfilling processes: The erosional collapse of a Carolingian canal construction. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 3449-3462.	2.5	3
7	3D-Modelling of Charlemagneâ€™s Summit Canal (Southern Germany)â€”Merging Remote Sensing and Geoarchaeological Subsurface Data. <i>Remote Sensing</i> , 2019, 11, 1111.	4.0	8
8	Comparison of time-domain SH waveform inversion strategies based on sequential low and bandpass filtered data for improved resolution in near-surface prospecting. <i>Journal of Applied Geophysics</i> , 2019, 160, 69-83.	2.1	38
9	Charge quantum interference device. <i>Nature Physics</i> , 2018, 14, 590-594.	16.7	47
10	A multidisciplinary approach in wetland geoarchaeology: Survey of the missing southern canal connection of the Fossa Carolina (SW Germany). <i>Quaternary International</i> , 2018, 473, 3-20.	1.5	16
11	Effects of Plasma Parameter on Morphological and Electrical Properties of Superconducting Nb-N Deposited by MO-PEALD. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-7.	1.7	12
12	Inversion of Geo-Magnetic SQUID Gradiometer Prospection Data Using Polyhedral Model Interpretation of Elongated Anomalies. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	10
13	Biomarkers in archaeology â€” Land use around the Uyghur capital Karabalgasun, Orkhon Valley, Mongolia. <i>Praehistorische Zeitschrift</i> , 2014, 89, 337-370.	0.4	11
14	Charlemagne's Summit Canal: An Early Medieval Hydro-Engineering Project for Passing the Central European Watershed. <i>PLoS ONE</i> , 2014, 9, e108194.	2.5	15
15	Inversion of geo-magnetic full-tensor gradiometer data. <i>Journal of Applied Geophysics</i> , 2013, 92, 57-67.	2.1	19
16	Recent Developments in Superconductor Digital Electronics Technology at FLUXONICS Foundry. <i>IEEE Transactions on Applied Superconductivity</i> , 2013, 23, 1101707-1101707.	1.7	26
17	Improving archaeological site analysis: a rampart in the middle Orkhon Valley investigated with combined geoscience techniques. <i>Journal of Geophysics and Engineering</i> , 2012, 9, S70-S80.	1.4	9
18	Rapid and sensitive magnetometer surveys of large areas using SQUIDs â€” the measurement system and its application to the Niederzimmern Neolithic double-ring ditch exploration. <i>Archaeological Prospection</i> , 2008, 15, 113-131.	2.2	16

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19	A LTS-SQUID System for Archaeological Prospection and Its Practical Test in Peru. IEEE Transactions on Applied Superconductivity, 2007, 17, 750-755.	1.7	24
20	Adiabatic Quantum Computation With Flux Qubits, First Experimental Results. IEEE Transactions on Applied Superconductivity, 2007, 17, 113-119.	1.7	12
21	A superconducting quantum interference device system for geomagnetic archaeometry. Archaeological Prospection, 2007, 14, 226-229.	2.2	9
22	Low-noise computer-controlled current source for quantum coherence experiments. Review of Scientific Instruments, 2004, 75, 2541-2544.	1.3	11
23	Cobalt disilicide buffer layer for YBCO film on silicon. Journal of Low Temperature Physics, 1997, 106, 433-438.	1.4	2
24	Unusual crystal structure of non-superconducting $Y_1Ba_2Cu_3O_{7-x}$ films on buffered silicon substrates. Physica C: Superconductivity and Its Applications, 1997, 290, 323-333.	1.2	19
25	High T_c step-edge Josephson junctions on silicon substrates. Applied Physics Letters, 1995, 67, 2235-2237.	3.3	14
26	Overlooked "Enigmatic" Underrated: The City Khar Khul Khaany Balgas in the Heartland of the Mongol World Empire. Journal of Field Archaeology, 0, , 1-24.	1.3	0