Sven Linzen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3261125/publications.pdf

Version: 2024-02-01

26	348	840776 11	839539 18
papers	citations	h-index	g-index

26	26	26	386
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Charge quantum interference device. Nature Physics, 2018, 14, 590-594.	16.7	47
2	Comparison of time-domain SH waveform inversion strategies based on sequential low and bandpass filtered data for improved resolution in near-surface prospecting. Journal of Applied Geophysics, 2019, 160, 69-83.	2.1	38
3	Recent Developments in Superconductor Digital Electronics Technology at FLUXONICS Foundry. IEEE Transactions on Applied Superconductivity, 2013, 23, 1101707-1101707.	1.7	26
4	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
5	Unusual crystal structure of non-superconducting Y1Ba2Cu3O7â^'x films on buffered silicon substrates. Physica C: Superconductivity and Its Applications, 1997, 290, 323-333.	1.2	19
6	Inversion of geo-magnetic full-tensor gradiometer data. Journal of Applied Geophysics, 2013, 92, 57-67.	2.1	19
7	Rapid and sensitive magnetometer surveys of large areas using SQUIDs â€“ the measurement system and its application to the Niederzimmern Neolithic doubleâ€ring ditch exploration. Archaeological Prospection, 2008, 15, 113-131.	2.2	16
8	A multidisciplinary approach in wetland geoarchaeology: Survey of the missing southern canal connection of the Fossa Carolina (SW Germany). Quaternary International, 2018, 473, 3-20.	1.5	16
9	Charlemagne's Summit Canal: An Early Medieval Hydro-Engineering Project for Passing the Central European Watershed. PLoS ONE, 2014, 9, e108194.	2.5	15
10	High Tc stepâ€edge Josephson junctions on silicon substrates. Applied Physics Letters, 1995, 67, 2235-2237.	3.3	14
11	Adiabatic Quantum Computation With Flux Qubits, First Experimental Results. IEEE Transactions on Applied Superconductivity, 2007, 17, 113-119.	1.7	12
12	Effects of Plasma Parameter on Morphological and Electrical Properties of Superconducting Nb-N Deposited by MO-PEALD. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-7.	1.7	12
13	Low-noise computer-controlled current source for quantum coherence experiments. Review of Scientific Instruments, 2004, 75, 2541-2544.	1.3	11
14	Biomarkers in archaeology â€“ Land use around the Uyghur capital Karabalgasun, Orkhon Valley, Mongolia. Prahistorische Zeitschrift, 2014, 89, 337-370.	0.4	11
15	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?. Journal of Applied Geophysics, 2020, 173, 103928.	2.1	11
16	Wafer-level uniformity of atomic-layer-deposited niobium nitride thin films for quantum devices. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, 052401.	2.1	11
17	Inversion of Geo-Magnetic SQUID Gradiometer Prospection Data Using Polyhedral Model Interpretation of Elongated Anomalies. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	10
18	A superconducting quantum interference device system for geomagnetic archaeometry. Archaeological Prospection, 2007, 14, 226-229.	2.2	9

#	Article	IF	Citations
19	Improving archaeological site analysis: a rampart in the middle Orkhon Valley investigated with combined geoscience techniques. Journal of Geophysics and Engineering, 2012, 9, S70-S80.	1.4	9
20	3D-Modelling of Charlemagneâ€™s Summit Canal (Southern Germany)â€”Merging Remote Sensing and Geoarchaeological Subsurface Data. Remote Sensing, 2019, 11, 1111.	4.0	8
21	792 or 793? Charlemagneâ€™s canal project: craft, nature and memory. Early Medieval Europe, 2020, 28, 444-465.	0.5	5
22	Sediment budgeting of shortâ€term backfilling processes: The erosional collapse of a Carolingian canal construction. Earth Surface Processes and Landforms, 2020, 45, 3449-3462.	2.5	3
23	Cobalt disilicide buffer layer for YBCO film on silicon. Journal of Low Temperature Physics, 1997, 106, 433-438.	1.4	2
24	High-Resolution Direct Push Sensing in Wetland Geoarchaeologyâ€”First Traces of Off-Site Construction Activities at the Fossa Carolina. Remote Sensing, 2021, 13, 4647.	4.0	0
25	Analysis of Low-Temperature Magnetotransport Properties of NbN Thin Films Grown by Atomic Layer Deposition. Magnetochemistry, 2022, 8, 33.	2.4	0
26	Overlookedâ€”Enigmaticâ€”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