Josef Zweck

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2997224/publications.pdf

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17	659	759233 12	940533 16
papers	citations	h-index	g-index

32	32	32	799
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A study on the correlation between micro and magnetic domain structure of Cu52Ni34Fe14 spinodal alloys. Journal of Alloys and Compounds, 2022, 922, 166214.	5.5	3
2	The differential phase contrast uncertainty relation: Connection between electron dose and field resolution. Ultramicroscopy, 2021, 228, 113342.	1.9	6
3	Stereoselective Chromiumâ€Catalyzed Semiâ€Hydrogenation of Alkynes. ChemCatChem, 2020, 12, 5359-5363.	3.7	16
4	Stereoselective Alkyne Hydrogenation by using a Simple Iron Catalyst. ChemSusChem, 2019, 12, 3864-3870.	6.8	17
5	Influence of combinatory effects of STEM setups on the sensitivity of differential phase contrast imaging. Micron, 2019, 127, 102755.	2.2	5
6	Introducing a non-pixelated and fast centre of mass detector for differential phase contrast microscopy. Ultramicroscopy, 2018, 192, 21-28.	1.9	12
7	On the achievable field sensitivity of a segmented annular detector for differential phase contrast measurements. Ultramicroscopy, 2017, 177, 97-105.	1.9	14
8	Determination of polarization fields in group III-nitride heterostructures by capacitance-voltage-measurements. Journal of Applied Physics, 2016, 119, .	2.5	9
9	Quantitative measurements of internal electric fields with differential phase contrast microscopy on InGaN/GaN quantum well structures. Physica Status Solidi (B): Basic Research, 2016, 253, 140-144.	1.5	31
10	Imaging of magnetic and electric fields by electron microscopy. Journal of Physics Condensed Matter, 2016, 28, 403001.	1.8	20
11	On detector linearity and precision of beam shift detection for quantitative differential phase contrast applications. Ultramicroscopy, 2016, 168, 53-64.	1.9	23
12	Atomic electric fields revealed by a quantum mechanical approach to electron picodiffraction. Nature Communications, 2014, 5, 5653.	12.8	232
13	Direct detection of spontaneous polarization in wurtzite GaAs nanowires. Applied Physics Letters, 2014, 104, .	3.3	40
14	Scanning transmission electron microscopy strain measurement from millisecond frames of a direct electron charge coupled device. Applied Physics Letters, 2012, 101, 212110.	3.3	63
15	Strain Measurement in Semiconductor Heterostructures by Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2012, 18, 995-1009.	0.4	62
16	In-Situ TEM Studies of Oxidation. , 2012, , 191-208.		1
17	Differential phase contrast 2.0â€”Opening new â€œfieldsâ€•for an established technique. Ultramicroscopy, 2012, 117, 7-14.	1.9	86