

Andrew C Lang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,112
citations

1040056

9
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

1980
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural transition and recovery of Ge implanted $\hat{\text{I}}^2$ -Ga ₂ O ₃ . Applied Physics Letters, 2020, 117, .	3.3	35
2	Early Stages of Secondary Phase Formation in Multicomponent Alloys Using an in situ TEM Heating Approach. Microscopy and Microanalysis, 2019, 25, 1536-1537.	0.4	1
3	Toward high-throughput defect density quantification: A comparison of techniques for irradiated samples. Ultramicroscopy, 2019, 206, 112820.	1.9	8
4	Direct Detection EELS at High Energy: Elemental Mapping and EXELFS. Microscopy and Microanalysis, 2019, 25, 584-585.	0.4	2
5	Diffusion of implanted Ge and Sn in $\hat{\text{I}}^2$ -Ga ₂ O ₃ . Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2019, 37, .	1.2	22
6	Control of MXenes™ electronic properties through termination and intercalation. Nature Communications, 2019, 10, 522.	12.8	721
7	Direct Detection Electron Energy-loss Spectroscopy: Applications in Low-dose Chemical Mapping and In Situ Heating+biasing. Microscopy and Microanalysis, 2018, 24, 452-453.	0.4	0
8	Thermal Stability of High Entropy Alloys during in Situ TEM Heating.. Microscopy and Microanalysis, 2018, 24, 1928-1929.	0.4	3
9	Direct Correlation of MXene Surface Chemistry and Electronic Properties. Microscopy and Microanalysis, 2018, 24, 1606-1607.	0.4	8
10	Spherical nanoindentation, modeling and transmission electron microscopy evidence for ripplocations in Ti ₃ SiC ₂ . Acta Materialia, 2017, 131, 141-155.	7.9	51
11	Advantages of Direct Detection and Electron Counting for Electron Energy Loss Spectroscopy Data Acquisition and the Quest of Extremely High-Energy Edges Using Eels. Microscopy and Microanalysis, 2017, 23, 60-61.	0.4	1
12	Application of Electron Counting to Electron Energy-loss Spectroscopy and Implications for Low-Dose Characterization. Microscopy and Microanalysis, 2017, 23, 1796-1797.	0.4	0
13	Direct Detection Electron Energy-Loss Spectroscopy: A Method to Push the Limits of Resolution and Sensitivity. Scientific Reports, 2017, 7, 8243.	3.3	103
14	Performance of a Direct Electron Detector for the Application of Electron Energy-Loss Spectroscopy. Microscopy and Microanalysis, 2016, 22, 336-337.	0.4	5
15	MgB ₂ ultrathin films fabricated by hybrid physical chemical vapor deposition and ion milling. APL Materials, 2016, 4, 086114.	5.1	22
16	Electron-beam-induced ferroelectric domain behavior in the transmission electron microscope: Toward deterministic domain patterning. Physical Review B, 2016, 94, .	3.2	26
17	Evidence for Bulk Ripplocations in Layered Solids. Scientific Reports, 2016, 6, 33451.	3.3	73
18	Enhancement of lower critical field by reducing the thickness of epitaxial and polycrystalline MgB ₂ thin films. APL Materials, 2015, 3, .	5.1	15

#	ARTICLE	IF	CITATIONS
19	Effects of cation stoichiometry on electronic and structural properties of LaNiO ₃ . Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	2.1	7
20	Atomic-Scale Characterization of Oxide Thin Films Gated by Ionic Liquid. ACS Applied Materials & Interfaces, 2014, 6, 17018-17023.	8.0	9