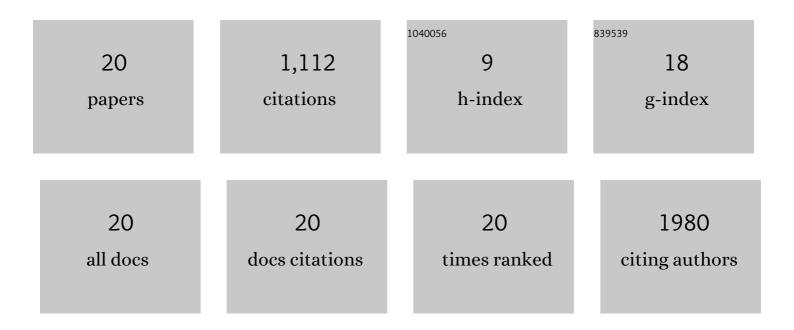
Andrew C Lang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Structural transition and recovery of Ge implanted <i>β</i> -Ga2O3. 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{l}^2 -Ga2O3. 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 Ti3SiC2. 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 MgB2 thin films. APL Materials, 2015, 3, .	5.1	15

#	Article	IF	CITATIONS
19	Effects of cation stoichiometry on electronic and structural properties of LaNiO3. 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