Martin E Mcbriarty

List of Publications by Year
in descending order

24 papers	607 citations	759233 12 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	1146 citing authors

#	Article	IF	Citations
1	Reactivity of Ultra-Thin ZnO Films Supported by Ag(111) and Cu(111): A Comparison to ZnO/Pt(111). Catalysis Letters, 2014, 144, 648-655.	2.6	71
2	Dynamic Stabilization of Metal Oxideâ€“Water Interfaces. Journal of the American Chemical Society, 2017, 139, 2581-2584.	13.7	60
3	CO oxidation over ZnO films on Pt(111) at near-atmospheric pressures. Journal of Catalysis, 2013, 301, 227-232.	6.2	53
4	Structural consequences of hydrogen intercalation of epitaxial graphene on SiC(0001). Applied Physics Letters, 2014, 105, .	3.3	49
5	Structural Transformations of Zinc Oxide Layers on Pt(111). Journal of Physical Chemistry C, 2014, 118, 28725-28729.	3.1	45
6	Trace Uranium Partitioning in a Multiphase Nano-FeOOH System. Environmental Science & Technology, 2017, 51, 4970-4977.	10.0	44
7	Iron Vacancies Accommodate Uranyl Incorporation into Hematite. Environmental Science & Technology, 2018, 52, 6282-6290.	10.0	44
8	Self-organizing layers from complex molecular anions. Nature Communications, 2018, 9, 1889.	12.8	43
9	Ab Initio Molecular Dynamics of Uranium Incorporated in Goethite (Î±-FeOOH): Interpretation of X-ray Absorption Spectroscopy of Trace Polyvalent Metals. Inorganic Chemistry, 2016, 55, 11736-11746.	4.0	42
10	Builtâ€In Potential in Fe₂O₃â€Cr₂O₃ Superlattices for Improved Photoexcited Carrier Separation. Advanced Materials, 2016, 28, 1616-1622.	21.0	24
11	Potentialâ€Specific Structure at the Hematiteâ€“Electrolyte Interface. Advanced Functional Materials, 2018, 28, 1705618.	14.9	16
12	Crystal Phase Distribution and Ferroelectricity in Ultrathin HfO 2 â€“ZrO 2 Bilayers. Physica Status Solidi (B): Basic Research, 2020, 257, 1900285.	1.5	16
13	An all-perovskite p-n junction based on transparent conducting p-La1â^'xSrxCrO3 epitaxial layers. Applied Physics Letters, 2017, 111, .	3.3	12
14	In Situ Characterization of Ferroelectric HfO₂ During Rapid Thermal Annealing. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000598.	2.4	12
15	Can mineral growth by oriented attachment lead to incorporation of uranium(vi) into the structure of goethite?. Environmental Science: Nano, 2019, 6, 3000-3009.	4.3	10
16	Atomic-Scale View of VO_Xâ€“WO_X Coreduction on the Î±-Al₂O₃ (0001) Surface. Journal of Physical Chemistry C, 2015, 119, 16179-16187.	3.1	9
17	Using Atom Dynamics to Map the Defect Structure Around an Impurity in Nano-Hematite. Journal of Physical Chemistry Letters, 2020, 11, 10396-10400.	4.6	9
18	Reductive Dissolution Mechanisms at the Hematite-Electrolyte Interface Probed by in Situ X-ray Scattering. Journal of Physical Chemistry C, 2019, 123, 8077-8085.	3.1	8

#	Article	IF	Citations
19	Superconductivity and disorder in PrOs₄Sb₁₂. Journal of Physics Condensed Matter, 2009, 21, 385701.	1.8	7
20	Redox-driven atomic-scale changes in mixed catalysts: VOX/WOX/Î±-TiO2 (110). RSC Advances, 2014, 4, 64608-64616.	3.6	7
21	Cation synergies affect ammonia adsorption over VOX and (V,W)OX dispersed on Î±-Al2O3 (0001) and Î±-Fe2O3 (0001). Surface Science, 2016, 651, 41-50.	1.9	7
22	Structure and properties of a model oxide-supported catalyst under redox conditions: WOx/Î±-Fe2O3 (0001). Surface Science, 2012, 606, 1367-1381.	1.9	6
23	Ferroelectric Phase Content in 7â€‰nm Hf_(1â€’x)Zr_xO₂ Thin Films Determined by Xâ€Rayâ€Based Methods. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100024.	1.8	6
24	Electrochemical Interfaces: Potentialâ€Specific Structure at the Hematiteâ€“Electrolyte Interface (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10	14.9	1