

Eric W Bohannon

List of Publications by Year in descending order

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39
papers

2,573
citations

236925

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41
docs citations

41
times ranked

2421
citing authors

#	ARTICLE	IF	CITATIONS
1	Enantiospecific electrodeposition of a chiral catalyst. <i>Nature</i> , 2003, 425, 490-493.	27.8	356
2	Epitaxial Electrodeposition of Zinc Oxide Nanopillars on Single-Crystal Gold. <i>Chemistry of Materials</i> , 2001, 13, 508-512.	6.7	256
3	Electrodeposited Ceramic Single Crystals. <i>Science</i> , 1999, 284, 293-296.	12.6	188
4	Electrochemical Self-Assembly of Copper/Cuprous Oxide Layered Nanostructures. <i>Journal of the American Chemical Society</i> , 1998, 120, 3530-3531.	13.7	124
5	In Situ Electrochemical Quartz Crystal Microbalance Study of Potential Oscillations during the Electrodeposition of Cu/Cu ₂ O Layered Nanostructures. <i>Langmuir</i> , 1999, 15, 813-818.	3.5	123
6	Epitaxial Electrodeposition of Copper(I) Oxide on Single-Crystal Gold(100). <i>Chemistry of Materials</i> , 1999, 11, 2289-2291.	6.7	117
7	Shape Control in Epitaxial Electrodeposition: Cu ₂ O Nanocubes on InP(001). <i>Chemistry of Materials</i> , 2003, 15, 4882-4885.	6.7	115
8	Thermodynamic to Kinetic Transition in Epitaxial Electrodeposition. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4027-4031.	2.6	98
9	Potential oscillations during the electrochemical self-assembly of copper/cuprous oxide layered nanostructures. <i>Journal of Materials Research</i> , 1998, 13, 909-916.	2.6	86
10	An Electrochemical Method for CuO Thin Film Deposition from Aqueous Solution. <i>Electrochemical and Solid-State Letters</i> , 2003, 6, C21.	2.2	83
11	Epitaxial Electrodeposition of High-Aspect-Ratio Cu ₂ O(110) Nanostructures on InP(111). <i>Chemistry of Materials</i> , 2005, 17, 725-729.	6.7	74
12	Electrodeposition of quantum-confined metal/semiconductor nanocomposites. <i>Advanced Materials</i> , 1997, 9, 334-338.	21.0	73
13	Low-temperature electrodeposition of the high-temperature cubic polymorph of bismuth(III) oxide. <i>Solid State Ionics</i> , 2000, 131, 97-107.	2.7	72
14	Electrochemical deposition and characterization of Fe ₃ O ₄ films produced by the reduction of Fe(III)-triethanolamine. <i>Journal of Materials Research</i> , 2006, 21, 293-301.	2.6	71
15	Evidence that Monochloramine Disinfectant Could Lead to Elevated Pb Levels in Drinking Water. <i>Environmental Science & Technology</i> , 2006, 40, 3384-3387.	10.0	68
16	Epitaxial Electrodeposition of Copper(I) Oxide on Single-Crystal Copper. <i>Chemistry of Materials</i> , 2001, 13, 952-959.	6.7	61
17	Enantiospecific Electrodeposition of Chiral CuO Films on Single-Crystal Cu(111). <i>Journal of the American Chemical Society</i> , 2004, 126, 488-489.	13.7	61
18	Negative Differential Resistance in Electrochemically Self-Assembled Layered Nanostructures. <i>Journal of Physical Chemistry B</i> , 1999, 103, 395-398.	2.6	58

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19	Epitaxial Electrodeposition of a Crystalline Metal Oxide onto Single-Crystalline Silicon. <i>Journal of Physical Chemistry B</i> , 2002, 106, 12369-12372.	2.6	52
20	Epitaxial electrodeposition of Cu ₂ O films onto InP(001). <i>Applied Physics Letters</i> , 2003, 83, 1944-1946.	3.3	49
21	Enantiospecific Electrodeposition of Chiral CuO Films from Copper(II) Complexes of Tartaric and Amino Acids on Single-Crystal Au(001). <i>Chemistry of Materials</i> , 2004, 16, 4232-4244.	6.7	47
22	Superconducting Filaments Formed During Nonvolatile Resistance Switching in Electrodeposited Bi ₂ O ₃ . <i>ACS Nano</i> , 2013, 7, 9940-9946.	14.6	42
23	Electrodeposition of Epitaxial Magnetite Films and Ferrihydrite Nanoribbons on Single-Crystal Gold. <i>Chemistry of Materials</i> , 2009, 21, 5022-5031.	6.7	40
24	Epitaxial Electrodeposition of Tin(II) Sulfide Nanodisks on Single-Crystal Au(100). <i>Chemistry of Materials</i> , 2008, 20, 5737-5742.	6.7	39
25	Epitaxial Electrodeposition of Prussian Blue Thin Films on Single-Crystal Au(110). <i>Journal of the American Chemical Society</i> , 2003, 125, 14998-14999.	13.7	38
26	Electrodeposition of Textured Ceramic Superlattices in the Pb-Tl-O System. <i>Chemistry of Materials</i> , 1997, 9, 1670-1677.	6.7	25
27	Electrodeposition of Co ₃ Fe ₃ O ₄ Epitaxial Films and Superlattices. <i>Chemistry of Materials</i> , 2013, 25, 223-232.	6.7	25
28	Epitaxial Electrodeposition of Pb-Tl-O Superlattices on Single-Crystal Au(100). <i>Chemistry of Materials</i> , 2002, 14, 2750-2756.	6.7	22
29	Photolithographic Patterning and Doping of Silica Xerogel Films. <i>Journal of Sol-Gel Science and Technology</i> , 2002, 23, 235-245.	2.4	19
30	Enhancing Enantioselectivity of Electrodeposited CuO Films by Chiral Etching. <i>Journal of the American Chemical Society</i> , 2007, 129, 8972-8973.	13.7	13
31	Inducing enantioselectivity in electrodeposited CuO films by chiral etching. <i>Electrochimica Acta</i> , 2008, 53, 6191-6195.	5.2	13
32	Epitaxial Electrodeposition of Bi ₃ and Topotactic Conversion to Highly Ordered Solar Light-Absorbing Perovskite (CH ₃ NH ₃) ₃ Bi ₂ I ₉ . <i>Chemistry of Materials</i> , 2020, 32, 8367-8372.	6.7	13
33	Epitaxial Electrodeposition of Orthorhombic Bi-PbO ₂ on (100)-Oriented Single Crystal Au. <i>Journal of the Electrochemical Society</i> , 2001, 148, C253.	2.9	12
34	Epitaxial Electrodeposition of Cu(111) onto an L-Cysteine Self-Assembled Monolayer on Au(111) and Epitaxial Lift-Off of Single-Crystal-like Cu Foils for Flexible Electronics. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21426-21434.	3.1	10
35	Enantiospecific electrodeposition of chiral CuO films on Cu(110) from aqueous Cu(II) tartrate and amino acid complexes. <i>Electrochimica Acta</i> , 2007, 53, 155-160.	5.2	9
36	Resistance switching in electrodeposited polycrystalline Fe ₃ O ₄ films. <i>Electrochimica Acta</i> , 2011, 56, 10550-10556.	5.2	9

#	ARTICLE	IF	CITATIONS
37	Room-temperature Electrochemical Assembly of Copper/Cuprous Oxide Nanocomposites. Israel Journal of Chemistry, 1997, 37, 297-301.	2.3	7
38	Epitaxial Electrodeposition of Hole Transport CuSCN Nanorods on Au(111) at the Wafer Scale and Lift-off to Produce Flexible and Transparent Foils. Chemistry of Materials, 2022, 34, 970-978.	6.7	4
39	Electrodeposition of Copper / Cuprous Oxide Nanocomposites. Materials Research Society Symposia Proceedings, 1996, 451, 283.	0.1	1