John C Angus

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/44363/publications.pdf

Version: 2024-02-01

43 papers	2,694 citations	361413 20 h-index	265206 42 g-index
45 all docs	45 docs citations	45 times ranked	2204 citing authors

#	Article	IF	Citations
1	Contact Charge Transfer between Nominally Identical Materials. Annalen Der Physik, 2021, 533, 2000571.	2.4	0
2	Contact charge transfer between inorganic dielectric solids of different surface roughness. Journal of Electrostatics, 2019, 101, 103359.	1.9	15
3	Tribo-electric charging of dielectric solids of identical composition. Journal of Applied Physics, 2018, 123, .	2.5	15
4	Diamond synthesis by chemical vapor deposition: The early years. Diamond and Related Materials, 2014, 49, 77-86.	3.9	35
5	Size-dependent electron chemical potential: Effect on particle charging. Journal of Electrostatics, 2013, 71, 1055-1060.	1.9	6
6	Electrochemical Charge Transfer to Diamond and Other Materials. Materials Research Society Symposia Proceedings, 2009, 1203, 1.	0.1	1
7	Growth and Raman Spectroscopy of Single Crystal ZnGeN₂ Rods Grown from a Molten Zn/Ge Alloy. Materials Research Society Symposia Proceedings, 2007, 1040, 1.	0.1	5
8	Charge Transfer Equilibria Between Diamond and an Aqueous Oxygen Electrochemical Redox Couple. Science, 2007, 318, 1424-1430.	12.6	581
9	Voltammetry Studies of Singleâ€Crystal and Polycrystalline Diamond Electrodes. Journal of the Electrochemical Society, 1999, 146, 2959-2964.	2.9	100
10	Synthesis of bulk polycrystalline indium nitride at subatmospheric pressures. Journal of Materials Research, 1999, 14, 2411-2417.	2.6	13
11	Growth of Oriented Thick Films of Gallium Nitride From the Melt. Materials Research Society Symposia Proceedings, 1998, 537, 1.	0.1	2
12	Boron-Doped Diamond Films for Electrochemical Applications. Materials Research Society Symposia Proceedings, 1998, 555, 217.	0.1	2
13	Dangerous Mixture. Science, 1998, 281, 783-783.	12.6	0
14	Microelectromechanics. Science, 1998, 281, 1143-1143.	12.6	1
15	Growth of Bulk, Polycrystalline Gallium and Indium Nitride at Sub-Atmospheric Pressures. Materials Research Society Symposia Proceedings, 1997, 468, 149.	0.1	4
16	Characterization Of Bulk, Polycrystalline Indium Nitride Grown At Sub-Atmospheric Pressures. Materials Research Society Symposia Proceedings, 1997, 482, 593.	0.1	7
17	The Electrochemistry of Boron-Doped Diamond Films on Single Crystal Diamond in Li+-Based Solid Polymer Electrolyte in Ultrahigh Vacuum. Journal of the American Chemical Society, 1997, 119, 7875-7876.	13.7	51
18	Hydrogen and Oxygen Evolution on Boronâ€Doped Diamond Electrodes. Journal of the Electrochemical Society, 1996, 143, L133-L136.	2.9	392

#	Article	IF	Citations
19	Synthesis of Bulk, Polycrystalline Gallium Nitride at Low Pressures. Materials Research Society Symposia Proceedings, 1996, 449, 47.	0.1	1
20	Relationship of Processing Conditions to Growth Rate and Quality of Diamond Grown by Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 1995, 383, 45.	0.1	2
21	Morphology of twinned diamond particles. Journal of Materials Research, 1995, 10, 3037-3040.	2.6	8
22	Heteroepitaxy of diamond on c-BN: Growth mechanisms and defect characterization. Journal of Materials Research, 1994, 9, 1849-1865.	2.6	38
23	Electronic era elusive. Nature, 1994, 370, 601-601.	27.8	21
24	Nucleation and Growth Processes During The Chemical Vapor Deposition of Diamond. Materials Research Society Symposia Proceedings, 1994, 349, 385.	0.1	4
25	Nucleation and Growth Processes During the Chemical Vapor Deposition of Diamond. Materials Research Society Symposia Proceedings, 1994, 363, 127.	0.1	1
26	Diamond nucleation by hydrogenation of the edges of graphitic precursors. Nature, 1993, 364, 607-610.	27.8	271
27	Hydrogen atom recombination on tungsten and diamond in hot filament assisted deposition of diamond. Journal of Applied Physics, 1993, 74, 5981-5989.	2.5	33
28	Heteroepitaxially grown diamond on acâ€BN {111} surface. Applied Physics Letters, 1993, 63, 1336-1338.	3.3	51
29	Orientation relationship between chemical vapor deposited diamond and graphite substrates. Journal of Applied Physics, 1993, 73, 711-715.	2.5	101
30	Twinning and faceting in early stages of diamond growth by chemical vapor deposition. Journal of Materials Research, 1992, 7, 3001-3009.	2.6	90
31	Hydrogen binding and diffusion in diamond. Journal of Materials Research, 1992, 7, 689-695.	2.6	62
32	Hydrogenation of the {10.hivin.10} graphite edge: structural considerations from band calculations. The Journal of Physical Chemistry, 1992, 96, 10978-10982.	2.9	43
33	Electrodeposition of GaAs from Aqueous Electrolytes. Journal of the Electrochemical Society, 1992, 139, 3480-3488.	2.9	41
34	Electron energyâ€loss spectral analysis of diamond and diamondâ€like carbon films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 2226-2230.	2.1	30
35	Structural analysis of hydrogenated diamond-like carbon films from electron energy loss spectroscopy. Journal of Materials Research, 1990, 5, 2378-2386.	2.6	72
36	Electron Number Diagrams: A New Phase Diagram for Complex Redox Systems. Journal of the Electrochemical Society, 1987, 134, 1374-1383.	2.9	2

#	Article	IF	Citations
37	Potential-pH diagrams for complex systems. Journal of Applied Electrochemistry, 1987, 17, 1-21.	2.9	14
38	Controlled Electroplating Through Gelatin Films. Journal of the Electrochemical Society, 1986, 133, 1152-1160.	2.9	8
39	A Pressurized Thermobalance Apparatus for Use at Extreme Conditions. Industrial & Engineering Chemistry Fundamentals, 1979, 18, 416-418.	0.7	4
40	Kinetics of carbon deposition on diamond powder. Journal of Applied Physics, 1976, 47, 4746-4754.	2.5	80
41	Turbulent transport measurements with a laser Doppler velocimeter. Optical and Quantum Electronics, 1973, 5, 119-128.	3.3	5
42	Growth of boronâ€doped diamond seed crystals by vapor deposition. Journal of Applied Physics, 1973, 44, 1428-1434.	2.5	97
43	Growth of Diamond Seed Crystals by Vapor Deposition. Journal of Applied Physics, 1968, 39, 2915-2922.	2.5	378