

John Henry J Scott

List of Publications by Year in descending order

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46
papers

1,123
citations

840776

11
h-index

794594

19
g-index

52
all docs

52
docs citations

52
times ranked

1567
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology, structure, and growth of nanoparticles produced in a carbon arc. <i>Physical Review B</i> , 1995, 52, 12564-12571.	3.2	185
2	Dropwise Condensation of Low Surface Tension Fluids on Omniphobic Surfaces. <i>Scientific Reports</i> , 2014, 4, 4158.	3.3	173
3	How nanorough is rough enough to make a surface superhydrophobic during water condensation?. <i>Soft Matter</i> , 2012, 8, 8786.	2.7	165
4	Three dimensional aspects of droplet coalescence during dropwise condensation on superhydrophobic surfaces. <i>Soft Matter</i> , 2011, 7, 8749.	2.7	93
5	Direct Imaging of Complex Nano- to Microscale Interfaces Involving Solid, Liquid, and Gas Phases. <i>ACS Nano</i> , 2012, 6, 9326-9334.	14.6	88
6	Methodology for Imaging Nano-to-Microscale Water Condensation Dynamics on Complex Nanostructures. <i>ACS Nano</i> , 2011, 5, 5962-5968.	14.6	84
7	Guided Three-Dimensional Catalyst Folding during Metal-Assisted Chemical Etching of Silicon. <i>Nano Letters</i> , 2011, 11, 2369-2374.	9.1	75
8	Dynamics of Nanoparticle Self-Assembly into Superhydrophobic Liquid Marbles during Water Condensation. <i>ACS Nano</i> , 2011, 5, 9746-9754.	14.6	55
9	X-Ray Microanalysis Case Studies. , 2018, , 471-479.		35
10	Neutron powder diffraction of carbon-coated FeCo alloy nanoparticles. <i>Journal of Applied Physics</i> , 1999, 85, 4409-4411.	2.5	28
11	Directed 2D to 3D Pattern Transfer Method for Controlled Fabrication of Topologically Complex 3D Features in Silicon. <i>Advanced Materials</i> , 2011, 23, 659-663.	21.0	27
12	Complex Polymorphic Behavior and Dielectric Properties of Perovskite-Related Sr(Sr _{1/3} Nb _{2/3})O ₃ . <i>Journal of Solid State Chemistry</i> , 2002, 166, 24-41.	2.9	22
13	Carbon Coated Nanoparticle Composites Synthesized in an RF Plasma Torch. <i>Materials Research Society Symposia Proceedings</i> , 1996, 457, 219.	0.1	11
14	Thermal Plasma Synthesis of Fe-Co Alloy Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 1997, 501, 121.	0.1	9
15	Analytical advances in the SEM. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 38-40.	3.7	8
16	Accuracy issues in chemical and dimensional metrology in the SEM and TEM. <i>Measurement Science and Technology</i> , 2007, 18, 2755-2761.	2.6	7
17	Backscattered Electrons. , 2018, , 15-28.		6
18	Scanning Electron Microscope (SEM) Instrumentation. , 2018, , 65-91.		6

#	ARTICLE	IF	CITATIONS
19	Parallax measurements of integrated circuit interconnects using a scanning transmission electron microscope. Journal of Applied Physics, 2003, 93, 2193-2197.	2.5	5
20	Secondary Electrons. , 2018, , 29-37.		5
21	Variable Pressure Scanning Electron Microscopy (VPSEM). , 2018, , 173-185.		4
22	SEM Image Interpretation. , 2018, , 111-121.		4
23	Qualitative Elemental Analysis by Energy Dispersive X-Ray Spectrometry. , 2018, , 265-287.		4
24	X-Rays. , 2018, , 39-63.		3
25	Electron Beam Specimen Interactions: Interaction Volume. , 2018, , 1-14.		3
26	Determination of Factors Affecting HRTEM Gate Dielectric Thickness Measurement Uncertainty. AIP Conference Proceedings, 2003, , .	0.4	2
27	Energy Dispersive X-ray Spectrometry: Physical Principles and User-Selected Parameters. , 2018, , 209-234.		2
28	Trace Analysis by SEM/EDS. , 2018, , 341-357.		2
29	The Visibility of Features in SEM Images. , 2018, , 123-131.		2
30	Energy-Filtered TEM of Ag-Co Thin Films. Materials Research Society Symposia Proceedings, 1995, 403, 731.	0.1	1
31	Transmission Electron Microscopic Observations on Technegas and Pertechnegas. Aerosol Science and Technology, 1998, 28, 523-530.	3.1	1
32	ImageJ and Fiji. , 2018, , 187-193.		1
33	Quantitative Analysis: The SEM/EDS Elemental Microanalysis k-ratio Procedure for Bulk Specimens, Step-by-Step. , 2018, , 309-339.		1
34	Compositional Mapping. , 2018, , 413-439.		1
35	Image Formation. , 2018, , 93-110.		1
36	Image Defects. , 2018, , 133-146.		1

#	ARTICLE	IF	CITATIONS
37	Morphology of Nanoparticles and Fullerene Blacks Produced in A Carbon Arc. Materials Research Society Symposia Proceedings, 1994, 359, 41.	0.1	0
38	Chemical Characterization of Magnetic Materials at High Spatial Resolution. Materials Research Society Symposia Proceedings, 1999, 577, 373.	0.1	0
39	Gate dielectric thickness metrology using transmission electron microscopy. AIP Conference Proceedings, 2001, , .	0.4	0
40	SEM Case Studies. , 2018, , 201-207.		0
41	Low Beam Energy X-Ray Microanalysis. , 2018, , 359-380.		0
42	Analysis of Specimens with Special Geometry: Irregular Bulk Objects and Particles. , 2018, , 381-411.		0
43	Cathodoluminescence. , 2018, , 481-489.		0
44	Characterizing Crystalline Materials in the SEM. , 2018, , 491-515.		0
45	Focused Ion Beam Applications in the SEM Laboratory. , 2018, , 517-528.		0
46	Attempting Electron-Excited X-Ray Microanalysis in the Variable Pressure Scanning Electron Microscope (VPSEM). , 2018, , 441-459.		0