

Robert Sinclair

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

135
papers

4,915
citations

30
h-index

69
g-index

139
ext. papers

5,699
ext. citations

8.5
avg, IF

5.44
L-index

#	Paper	IF	Citations
135	Highly stretchable polymer semiconductor films through the nanoconfinement effect. <i>Science</i> , 2017 , 355, 59-64	33.3	651
134	The preparation of cross-section specimens for transmission electron microscopy. <i>Journal of Electron Microscopy Technique</i> , 1984 , 1, 53-61		490
133	Metastable phase formation in titanium-silicon thin films. <i>Journal of Applied Physics</i> , 1985 , 57, 5240-5245	2.5	376
132	Amorphous Ti-Si alloy formed by interdiffusion of amorphous Si and crystalline Ti multilayers. <i>Journal of Applied Physics</i> , 1987 , 61, 1359-1364	2.5	217
131	Designing Boron Nitride Islands in Carbon Materials for Efficient Electrochemical Synthesis of Hydrogen Peroxide. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7851-7859	16.4	184
130	Ultrasensitive and stretchable graphene electrodes. <i>Science Advances</i> , 2017 , 3, e1700159	14.3	168
129	Defective Carbon-Based Materials for the Electrochemical Synthesis of Hydrogen Peroxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 311-317	8.3	153
128	Designing Active and Stable Silicon Photocathodes for Solar Hydrogen Production Using Molybdenum Sulfide Nanomaterials. <i>Advanced Energy Materials</i> , 2014 , 4, 1400739	21.8	145
127	Interfacial reactions on annealing molybdenum-silicon multilayers. <i>Journal of Applied Physics</i> , 1989 , 65, 474-480	2.5	140
126	Phase equilibria in metal-gallium-arsenic systems: Thermodynamic considerations for metallization materials. <i>Journal of Applied Physics</i> , 1987 , 61, 2195-2202	2.5	125
125	Crystallization of silicon in aluminium/amorphous-silicon multilayers. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1992 , 66, 749-765		124
124	Oxygen Surface Exchange at Grain Boundaries of Oxide Ion Conductors. <i>Advanced Functional Materials</i> , 2012 , 22, 965-971	15.6	109
123	Tumor Cell-Derived Extracellular Vesicle-Coated Nanocarriers: An Efficient Theranostic Platform for the Cancer-Specific Delivery of Anti-miR-21 and Imaging Agents. <i>ACS Nano</i> , 2018 , 12, 10817-10832	16.7	104
122	Pro-efferocytic nanoparticles are specifically taken up by lesional macrophages and prevent atherosclerosis. <i>Nature Nanotechnology</i> , 2020 , 15, 154-161	28.7	89
121	Intranasal delivery of targeted polyfunctional gold-iron oxide nanoparticles loaded with therapeutic microRNAs for combined theranostic multimodality imaging and presensitization of glioblastoma to temozolomide. <i>Biomaterials</i> , 2019 , 218, 119342	15.6	88
120	Effects of Gold Substrates on the Intrinsic and Extrinsic Activity of High-Loading Nickel-Based Oxyhydroxide Oxygen Evolution Catalysts. <i>ACS Catalysis</i> , 2017 , 7, 5399-5409	13.1	88
119	Solid-state amorphization at tetragonal-Ta/Cu interfaces. <i>Applied Physics Letters</i> , 1999 , 75, 935-937	3.4	75

118	In situ TEM studies of metal-carbon reactions. <i>Microscopy and Microanalysis</i> , 2002 , 8, 288-304	0.5	73
117	Direct visualization of hydrogen absorption dynamics in individual palladium nanoparticles. <i>Nature Communications</i> , 2017 , 8, 14020	17.4	72
116	A tunable silk-alginate hydrogel scaffold for stem cell culture and transplantation. <i>Biomaterials</i> , 2014 , 35, 3736-43	15.6	72
115	Deformable Organic Nanowire Field-Effect Transistors. <i>Advanced Materials</i> , 2018 , 30, 1704401	24	64
114	Equilibrium oxygen storage capacity of ultrathin CeO depends non-monotonically on large biaxial strain. <i>Nature Communications</i> , 2017 , 8, 15360	17.4	60
113	Highly Stable Molybdenum Disulfide Protected Silicon Photocathodes for Photoelectrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36792-36798	9.5	60
112	Cryo-EM structures of atomic surfaces and host-guest chemistry in metal-organic frameworks. <i>Matter</i> , 2019 , 1, 428-438	12.7	59
111	Reconstructing solute-induced phase transformations within individual nanocrystals. <i>Nature Materials</i> , 2016 , 15, 768-74	27	59
110	Atomic Layer Deposition of CdS Films. <i>Chemistry of Materials</i> , 2010 , 22, 4669-4678	9.6	51
109	Interface microstructure of titanium thin-film/silicon single-crystal substrate correlated with electrical barrier heights. <i>Journal of Applied Physics</i> , 1991 , 70, 827-832	2.5	51
108	Precious Metal-Free Nickel Nitride Catalyst for the Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26863-26871	9.5	47
107	Metal-mediated crystallization of amorphous silicon in silicon-silver layered systems. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1995 , 71, 163-178		41
106	Magnetization switching using topological surface states. <i>Science Advances</i> , 2019 , 5, eaaw3415	14.3	33
105	Oxidation of Carbon Nanotubes in an Ionizing Environment. <i>Nano Letters</i> , 2016 , 16, 856-63	11.5	30
104	Nanomedicine for Spontaneous Brain Tumors: A Companion Clinical Trial. <i>ACS Nano</i> , 2019 , 13, 2858-2869	6.7	30
103	Acidic Oxygen Evolution Reaction Activity-Stability Relationships in Ru-Based Pyrochlores. <i>ACS Catalysis</i> , 2020 , 10, 12182-12196	13.1	30
102	Observing Plasmon Damping Due to Adhesion Layers in Gold Nanostructures Using Electron Energy Loss Spectroscopy. <i>ACS Photonics</i> , 2017 , 4, 268-274	6.3	29
101	Nitride or Oxynitride? Elucidating the Composition-Activity Relationships in Molybdenum Nitride Electrocatalysts for the Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2020 , 32, 2946-2960	9.6	28

100	Atomic and Molecular Layer Deposition of Hybrid MoS ₂ /Thiolate Thin Films with Enhanced Catalytic Activity. <i>Advanced Functional Materials</i> , 2018 , 28, 1800852	15.6	28
99	Metal-mediated crystallization of amorphous germanium in germanium-silver layered systems. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1995 , 71, 179-199		28
98	Torsional Deformations in Subnanometer MoS Interconnecting Wires. <i>Nano Letters</i> , 2016 , 16, 1210-7	11.5	27
97	Amorphous phase formation and initial interfacial reactions in the platinum/GaAs system. <i>Journal of Applied Physics</i> , 1992 , 72, 2036-2042	2.5	27
96	Persistent and partially mobile oxygen vacancies in Li-rich layered oxides. <i>Nature Energy</i> , 2021 , 6, 642-650	2.3	24
95	Growth of Highly Strained CeO Ultrathin Films. <i>ACS Nano</i> , 2016 , 10, 9938-9947	16.7	23
94	Atomic layer deposition of Cd _x Zn _{1-x} S films. <i>Journal of Materials Chemistry</i> , 2011 , 21, 743-751		23
93	Microstructure and Exchange Coupling of Segregated Oxide Perpendicular Recording Media. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 639-644	2	23
92	A correlative optical microscopy and scanning electron microscopy approach to locating nanoparticles in brain tumors. <i>Micron</i> , 2015 , 68, 70-76	2.3	22
91	Visualizing Facet-Dependent Hydrogenation Dynamics in Individual Palladium Nanoparticles. <i>Nano Letters</i> , 2018 , 18, 5357-5363	11.5	22
90	Structure and chemistry of epitaxial ceria thin films on yttria-stabilized zirconia substrates, studied by high resolution electron microscopy. <i>Ultramicroscopy</i> , 2017 , 176, 200-211	3.1	21
89	Anti-Hermitian photodetector facilitating efficient subwavelength photon sorting. <i>Nature Communications</i> , 2018 , 9, 316	17.4	20
88	Intrinsic Chirality Origination in Carbon Nanotubes. <i>ACS Nano</i> , 2017 , 11, 9941-9949	16.7	18
87	The dissipation of field emitting carbon nanotubes in an oxygen environment as revealed by in situ transmission electron microscopy. <i>Nanoscale</i> , 2016 , 8, 16405-16415	7.7	18
86	Thermally induced crystallization in NbO thin films. <i>Scientific Reports</i> , 2016 , 6, 34294	4.9	16
85	Thermochemical stability of BaFe ₁₂ O ₁₉ and BaFe ₂ O ₄ and phase relations in the Ba-Fe-O ternary system. <i>Journal of Materials Research</i> , 1994 , 9, 1499-1512	2.5	16
84	In-situ visualization of solute-driven phase coexistence within individual nanorods. <i>Nature Communications</i> , 2018 , 9, 1775	17.4	15
83	Amorphous phase formation in an as-deposited platinum-GaAs interface. <i>Applied Physics Letters</i> , 1991 , 58, 1851-1853	3.4	15

82	Mitochondria-Rich Extracellular Vesicles Rescue Patient-Specific Cardiomyocytes From Doxorubicin Injury: Insights Into the SENECA Trial. <i>JACC: CardioOncology</i> , 2021 , 3, 428-440	3.8	14
81	Rotating Anisotropic Crystalline Silicon Nanoclusters in Graphene. <i>ACS Nano</i> , 2015 , 9, 9497-506	16.7	13
80	Synthesis, Characterization, and Light-Induced Spatial Charge Separation in Janus Graphene Oxide. <i>Chemistry of Materials</i> , 2018 , 30, 2084-2092	9.6	13
79	Enhanced Thermal Conduction Through Nanostructured Interfaces. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2017 , 21, 134-144	3.7	12
78	Assessing and ameliorating the influence of the electron beam on carbon nanotube oxidation in environmental transmission electron microscopy. <i>Ultramicroscopy</i> , 2017 , 176, 132-138	3.1	12
77	Atomic-scale planarization of SiO ₂ /Si(001) interfaces. <i>Applied Physics Letters</i> , 1993 , 63, 675-677	3.4	12
76	Nickel Mediated Transformation of Amorphous Carbon to Graphite. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 349, 31		12
75	Structure and Thermodynamics of Amorphous Ti-Si Produced by Solid-State Interdiffusion. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 187, 71		11
74	Synthesis and Characterization of Graphite-Encapsulated Iron Nanoparticles from Ball Milling-Assisted Low-Pressure Chemical Vapor Deposition. <i>Carbon</i> , 2017 , 124, 170-179	10.4	10
73	Amorphous thin film TaWSiC as a diffusion barrier for copper interconnects. <i>Applied Physics Letters</i> , 2013 , 103, 022104	3.4	10
72	Reaction-mediated texturing of barium ferrite magnetic thin films on ZnO underlayer. <i>Journal of Materials Research</i> , 1995 , 10, 2343-2349	2.5	10
71	Nanosized Zirconium Porphyrinic Metal-Organic Frameworks that Catalyze the Oxygen Reduction Reaction in Acid. <i>Small Methods</i> , 2020 , 4, 2000085	12.8	10
70	HREM analysis of graphite-encapsulated metallic nanoparticles for possible medical applications. <i>Ultramicroscopy</i> , 2013 , 134, 167-74	3.1	9
69	FIB and TEM studies of interface structure in diamond/BiC composites. <i>Journal of Materials Science</i> , 2006 , 41, 4611-4616	4.3	9
68	Carbide Evolution in Temper Embrittled NiCrMoV Bainitic Steel. <i>Steel Research International</i> , 2004 , 75, 47-54	1.6	9
67	Identifying and Tuning the In Situ Oxygen-Rich Surface of Molybdenum Nitride Electrocatalysts for Oxygen Reduction. <i>ACS Applied Energy Materials</i> , 2020 , 3, 12433-12446	6.1	8
66	Nanoroughness effect on Cr growth mechanism. <i>Journal of Applied Physics</i> , 1997 , 81, 3943-3945	2.5	8
65	Interfacial Reactions in Titanium - Silicon Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1986 , 77, 357		8

64	Isolating the Electrocatalytic Activity of a Confined NiFe Motif within Zirconium Phosphate. <i>Advanced Energy Materials</i> , 2021 , 11, 2003545	21.8	8
63	Reactions at the Titanium-Silicon Interface Studied Using Hot-Stage Tem. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 260, 227		7
62	Direct Solid State Phase Transformation from Co to Epitaxial CoSi ₂ in Co / Thin Ti / (100) Si Structure and its Application for Shallow Junction Formation. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 320, 355		5
61	Crystallization of Amorphous Si In Al/Si Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1991 , 230, 189		5
60	Structure and electrical properties of interfaces between silicon films and n+ silicon crystals. <i>Journal of Applied Physics</i> , 1989 , 65, 668-671	2.5	5
59	SiO ₂ /Si Interfaces Studied by STM and HRTEM. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 183, 141		5
58	Evidence for a Grain Boundary Grooving Model of Agglomeration in Polycrystalline Tis ₂ Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 202, 95		5
57	Correlative Microscopy to Localize and Characterize Iron Deposition in Alzheimer's Disease. <i>Journal of Alzheimer's Disease Reports</i> , 2020 , 4, 525-536	3.3	5
56	Effect of Adventitious Carbon on Pit Formation of Monolayer MoS ₂ . <i>Advanced Materials</i> , 2020 , 32, e2003024	0.24	5
55	Characterization of Sputtered Barium Ferrite Thin Films on Silicon Nitride Coated Carbon Substrates. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 341, 59		4
54	In Situ Tem Study of Reactions in Iron/amorphous Carbon Layered Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 382, 45		4
53	Hrem In Situ Annealing of the CdTe/GaAs Heterojunction. <i>Materials Research Society Symposia Proceedings</i> , 1989 , 139, 205		4
52	Understanding Degradation Mechanisms in SrIrO ₃ Oxygen Evolution Electrocatalysts: Chemical and Structural Microscopy at the Nanoscale. <i>Advanced Functional Materials</i> , 2021 , 31, 2101542	15.6	4
51	Structure and chemistry of epitaxial ceria thin films on yttria-stabilized zirconia substrates, studied by high resolution electron microscopy. <i>Ultramicroscopy</i> , 2017 , 175, 25-35	3.1	3
50	Electron Energy-Loss Spectroscopy (EELS) Study of NbOx Film for Resistive Memory Applications. <i>Microscopy and Microanalysis</i> , 2015 , 21, 285-286	0.5	3
49	Preliminary Investigations of Chemical & Morphological Inhomogeneities in La _{0.6} Sr _{0.4} CoO _{3-δ} Single-Crystalline Perovskite Thin Films by ACTEM and STEM-EELS. <i>Microscopy and Microanalysis</i> , 2015 , 21, 1055-1056	0.5	3
48	Aberration-corrected transmission electron microscopy of the intergranular phase in magnetic recording media. <i>Nano Letters</i> , 2012 , 12, 2595-8	11.5	3
47	TEM Observations of Bio-Conjugated Streptavidin-Gold Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 1019, 1		3

46	Reactions in Metal-Metalloid Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 311, 3		3
45	Crystallization of Amorphous Germanium in a Silver Germanium Layered System. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 311, 99		3
44	Crystallization of Amorphous Silicon-Aluminum thin Films: IN-SITU Observation and Thermal Analysis.. <i>Materials Research Society Symposia Proceedings</i> , 1991 , 237, 609		3
43	Atomic Resolution Observation of the Oxidation of Niobium Oxide Nanowires: Implications for Renewable Energy Applications. <i>ACS Applied Nano Materials</i> , 2020 , 3, 9285-9292	5.6	3
42	Magnetic and Magneto-Optic Properties of PtFe(001) and PtCo(001) Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 313, 805		2
41	Transmission Electron Microscopy of MOCVD Titanium Nitride Films. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 337, 735		2
40	Effects of Substrate Temperature on Magnetic and Crystallographic Properties of Co-Cr-Pt/Cr Films Deposited by Laser Ablation. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 343, 345		2
39	Tem Study of Crystallization of a-SiC in Contact With Silver. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 382, 39		2
38	In-Situ annealing Transmission Electron Microscopy(Tem) Study of the Ti/GaAs Interfacial Reactions. <i>Materials Research Society Symposia Proceedings</i> , 1989 , 148, 21		2
37	IN-SITU and High-Resolution TEM Observation of Interfacial Reactions in Metal-Silicon Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1987 , 103, 167		2
36	Characterization of a Dynamic Y ₂ Ir ₂ O ₇ Catalyst during the Oxygen Evolution Reaction in Acid. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 1751-1760	3.8	2
35	Epitaxial Stabilization and Oxygen Evolution Reaction Activity of Metastable Columbite Iridium Oxide. <i>ACS Applied Energy Materials</i> , 2021 , 4, 3074-3082	6.1	2
34	Antiphase Ordered Domains and Optical Diffraction for Copper-Gold and Samarium-doped Ceria: Reflections on Gareth Thomas. <i>Microscopy and Microanalysis</i> , 2016 , 22, 1238-1239	0.5	2
33	Contributions to High Resolution and In Situ Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2018 , 24, 10-11	0.5	1
32	Transmission Electron Microscopy (TEM) Studies on Nickel and Molybdenum Nitrides as Oxygen Reduction Reaction Catalysts. <i>Microscopy and Microanalysis</i> , 2019 , 25, 2072-2073	0.5	1
31	Field Emission of Carbon Nanotubes in Oxygen Using Environmental TEM and the Influence of the Imaging Electron Beam. <i>Microscopy and Microanalysis</i> , 2017 , 23, 910-911	0.5	1
30	Evaluating Adhesion Layers for Plasmonic Nanostructures with Monochromated STEM-EELS and Surface Enhanced Raman Spectroscopy. <i>Microscopy and Microanalysis</i> , 2015 , 21, 2055-2056	0.5	1
29	The Effects of Slider Material on the Gasification of Carbon. <i>Journal of Tribology</i> , 2002 , 124, 771-774	1.8	1

28	Microstructural Characterization of Longitudinal Magnetic Recording Media. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 589, 3		1
27	The Failure Mechanism of MOCVD TiN Diffusion Barrier at high Temperature. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 428, 279		1
26	Structural Properties of Anisotropic PtCo(001) and PtFe(001) Thin Films on MgO(001). <i>Materials Research Society Symposia Proceedings</i> , 1993 , 311, 9		1
25	Interface Reaction Enhanced Epitaxial Growth of Barium Ferrite Magnetic Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 357, 165		1
24	Thermodynamic Stability of PtAl Thin Films on GaAs. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 181, 333		1
23	Exploring valence states of abnormal mineral deposits in biological tissues using correlative microscopy and spectroscopy techniques: A case study on ferritin and iron deposits from Alzheimer's disease patients. <i>Ultramicroscopy</i> , 2021 , 231, 113254	3.1	1
22	Correlative Magnetic Imaging of Heat-Assisted Magnetic Recording Media in Cross Section Using Lorentz TEM and MFM. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	0
21	Unveiling the Atomistic Processes of the Accelerated Decomposition of 8.5 mol% Y2O3-stabilized ZrO2 by Environmental TEM. <i>Microscopy and Microanalysis</i> , 2017 , 23, 2034-2035	0.5	
20	Optimizing Nanostructure Size to Yield High Raman Signal Enhancement by Electron Energy Loss Spectroscopy. <i>Microscopy and Microanalysis</i> , 2019 , 25, 610-611	0.5	
19	Imaging Perpendicular Magnetic Domains in Plan-view Using Lorentz Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2014 , 20, 286-287	0.5	
18	Observing Plasmon Damping Effects of Metallic Adhesion Layers in E-Beam Synthesized Nanostructures Using STEM-EELS and Raman Spectroscopy. <i>Microscopy and Microanalysis</i> , 2014 , 20, 588-589	0.5	
17	Lorentz Transmission Electron Microscopy for Imaging Magnetic Fields from a Perpendicular Ferromagnetic Stripe Domain Thin Film. <i>Microscopy and Microanalysis</i> , 2015 , 21, 1947-1948	0.5	
16	Oxidation Studies of Carbon Nanotubes for Applications as X-Ray Field Emitters Using an Aberration-Corrected, Environmental TEM. <i>Microscopy and Microanalysis</i> , 2013 , 19, 466-467	0.5	
15	Scanning Electron Microscopy and Surface Enhanced Raman Spectroscopy Correlation Studies of Functionalized Composite Organic-Inorganic SERS Nanoparticles on Cancer Cells. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1316, 1		
14	Applications of TEM for Analysis of Local Failures Occurring During Silicon Metallization Process. <i>Microscopy and Microanalysis</i> , 1997 , 3, 465-466	0.5	
13	Nanoscale Investigation of Composition and Grain Boundary Effects in Magnetic Hard Disk Media. <i>Microscopy and Microanalysis</i> , 2003 , 9, 512-513	0.5	
12	Grain Size Relationships between the Magnetic Layer and the Underlayers in CoCrPtTa Recording Media. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 614, 341		
11	Thermal Stability of The Copper/Tantalum Interfaces In Advanced Microelectronic Metallization. <i>Microscopy and Microanalysis</i> , 1999 , 5, 176-177	0.5	

- 10 Magnetic Imaging Of Recording Media. *Microscopy and Microanalysis*, **1999**, 5, 28-29 0.5
- 9 Structure and Magnetic Properties of FE/ZR Multilayer Films. *Materials Research Society Symposia Proceedings*, **1993**, 313, 731
- 8 In-Situ Tem Observation of Interfacial Reactions in the Zr/Si System. *Materials Research Society Symposia Proceedings*, **1994**, 337, 481
- 7 Study of Diffusion Barrier Performance in MOCVD TiN by Transmission Electron Microscopy. *Materials Research Society Symposia Proceedings*, **1995**, 391, 205
- 6 Morphological Studies of Polysilicon Emitter Contacts. *Materials Research Society Symposia Proceedings*, **1984**, 37, 461
- 5 The Phase Formation Sequence in Titanium-Silicon Thin Films. *Materials Research Society Symposia Proceedings*, **1985**, 54, 44
- 4 Prospects for In Situ TEM on Electrocatalyst Materials for Sustainable Energy Technologies. *Microscopy and Microanalysis*, **2021**, 27, 44-45 0.5
- 3 Oxidation of Carbon Nanotubes Using Environmental TEM and the Influence of the Imaging Electron Beam **2016**, 115-116
- 2 In Situ High Resolution and Environmental Electron Microscopy Studies of Material Reactions. *Microscopy and Microanalysis*, **2019**, 25, 3-4 0.5
- 1 An approach for optimizing gold nanoparticles for possible medical applications, using correlative electron energy loss and Raman spectroscopies on electron beam lithographically fabricated arrays. *Journal of Materials Research*, **2021**, 36, 3383 2.5