

# C Barry Carter

## List of Publications by Citations

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368  
papers

8,433  
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38  
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85  
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391  
ext. papers

8,980  
ext. citations

3.1  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
368	Transmission Electron Microscopy <b>1996</b> ,		1555
367	Transmission Electron Microscopy <b>2009</b> ,		1044
366	Photosensitization of ZnO nanowires with CdSe quantum dots for photovoltaic devices. <i>Nano Letters</i> , <b>2007</b> , 7, 1793-8	11.5	880
365	Growth and sintering of fullerene nanotubes. <i>Science</i> , <b>1994</b> , 266, 1218-22	33.3	262
364	Superhard silicon nanospheres. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2003</b> , 51, 979-992	5	196
363	The Transmission Electron Microscope <b>1996</b> , 3-17		151
362	Crystallography of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> thin film-substrate interfaces. <i>Journal of Materials Research</i> , <b>1989</b> , 4, 1072-1081	2.5	141
361	Ceramic Materials <b>2013</b> ,		125
360	Air-stable full-visible-spectrum emission from silicon nanocrystals synthesized by an all-gas-phase plasma approach. <i>Nanotechnology</i> , <b>2008</b> , 19, 245603	3.4	112
359	Mechanisms of surface faceting and coarsening. <i>Surface Science</i> , <b>1997</b> , 389, 188-200	1.8	103
358	Observation of the early stages of growth of superconducting thin films by transmission electron microscopy. <i>Applied Physics Letters</i> , <b>1989</b> , 55, 2348-2350	3.4	99
357	Steps and the structure of the (0001) alumina surface. <i>Surface Science</i> , <b>1997</b> , 370, L168-L172	1.8	95
356	Plasma synthesis of single-crystal silicon nanoparticles for novel electronic device applications. <i>Plasma Physics and Controlled Fusion</i> , <b>2004</b> , 46, B97-B109	2	91
355	Surface preparation for the heteroepitaxial growth of ceramic thin films. <i>Applied Physics Letters</i> , <b>1990</b> , 56, 2246-2248	3.4	88
354	Compressive stress effects on nanoparticle modulus and fracture. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	84
353	Influence of Processing Conditions on Structures of 3D Ordered Macroporous Metals Prepared by Colloidal Crystal Templating. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 4314-4321	9.6	83
352	Coupling In Situ TEM and Ex Situ Analysis to Understand Heterogeneous Sodiation of Antimony. <i>Nano Letters</i> , <b>2015</b> , 15, 6339-48	11.5	80

351	Oriented aluminum nitride thin films deposited by pulsed-laser ablation. <i>Journal of Applied Physics</i> , <b>1991</b> , 70, 2871-2873	2.5	73
350	Functionalized carbon nanotube reinforced scaffolds for bone regenerative engineering: fabrication, in vitro and in vivo evaluation. <i>Biomedical Materials (Bristol)</i> , <b>2014</b> , 9, 035001	3.5	70
349	Stacking defects in the 9R phase at an incoherent twin boundary in copper. <i>Acta Materialia</i> , <b>1998</b> , 46, 5135-5142	8.4	66
348	In situ deformation of silicon nanospheres. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 4477-4483	4.3	65
347	Synthesis of highly oriented, single-crystal silicon nanoparticles in a low-pressure, inductively coupled plasma. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 1969-1974	2.5	65
346	Microstructure of hardened and softened zirconia after xenon implantation. <i>Journal of Materials Research</i> , <b>1991</b> , 6, 1905-1912	2.5	61
345	Faceting Behavior of Alumina in the Presence of a Glass. <i>Journal of the American Ceramic Society</i> , <b>1990</b> , 73, 2391-2398	3.8	59
344	Herringbone and triangular patterns of dislocations in Ag, Au, and AgAu alloy films on Ru(0 0 0 1). <i>Surface Science</i> , <b>2006</b> , 600, 1735-1757	1.8	58
343	Reverse plasticity in single crystal silicon nanospheres. <i>International Journal of Plasticity</i> , <b>2005</b> , 21, 2391-2405	2.4	58
342	Surface Morphology of Heat-Treated Ceramic Thin Films. <i>Journal of the American Ceramic Society</i> , <b>1992</b> , 75, 2463-2478	3.8	57
341	Electron energy-loss spectroscopic study of the surface of ceria abrasives. <i>Applied Surface Science</i> , <b>2005</b> , 241, 61-67	6.7	50
340	Structure of Alumina Grain Boundaries Prepared with and without a Thin Amorphous Intergranular Film. <i>Journal of the American Ceramic Society</i> , <b>1990</b> , 73, 2485-2493	3.8	49
339	Dislocations and the reconstruction of (111) fcc metal surfaces. <i>Physical Review B</i> , <b>1995</b> , 51, 4730-4733	3.3	48
338	The formation of copper aluminate by solid-state reaction. <i>Journal of Materials Research</i> , <b>1991</b> , 6, 1958-1963	2.5	44
337	Laser Direct Write Synthesis of Lead Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 3736-3741	6.4	43
336	60° dislocations in (001) GaAs/Si interfaces. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1990</b> , 62, 319-328		42
335	Solid-Phase Epitaxy of Boehmite-Derived $\gamma$ -Alumina on Hematite Seed Crystals. <i>Journal of the American Ceramic Society</i> , <b>1989</b> , 72, 864-867	3.8	40
334	Pulsed-Laser Deposition of Barium Titanate Thin Films. <i>Journal of the American Ceramic Society</i> , <b>1992</b> , 75, 1999-2002	3.8	39

333	Brownian Motion of Dislocations in Thin Films. <i>Physical Review Letters</i> , <b>1997</b> , 78, 3507-3510	7.4	38
332	Single nanoparticle semiconductor devices. <i>IEEE Transactions on Electron Devices</i> , <b>2006</b> , 53, 2525-2531	2.9	38
331	Dynamic observation of the fcc to 9r shear transformation in a copper $\Sigma$ 3 incoherent twin boundary. <i>Scripta Materialia</i> , <b>1996</b> , 35, 837-842	5.6	38
330	Observation of the early stages of heteroepitaxial growth of BaTiO <sub>3</sub> thin-films. <i>Journal of Materials Research</i> , <b>1990</b> , 5, 2762-2765	2.5	37
329	Fracturing a nanoparticle. <i>Philosophical Magazine</i> , <b>2007</b> , 87, 29-37	1.6	36
328	Microstructure of epitaxially grown GaAs/ErAs/GaAs. <i>Applied Physics Letters</i> , <b>1990</b> , 56, 1323-1325	3.4	33
327	Destabilization of Zirconia Thermal Barriers in the Presence of V <sub>2</sub> O <sub>5</sub> . <i>Journal of the American Ceramic Society</i> , <b>1988</b> , 71, 992-1004	3.8	33
326	Nanopatterning by solid-state dewetting on reconstructed ceramic surfaces. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 171114	3.4	32
325	Oxygen Evolution during Water Electrolysis from Thin Films Using Bimetallic Oxides of Ir-Pt and Ir-Ru. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, F716-F730	3.9	30
324	Forming contacts and grain boundaries between MgO nanoparticles. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 2408-2418	4.3	28
323	Faceting of the interface between Al <sub>2</sub> O <sub>3</sub> and anorthite glass. <i>Acta Materialia</i> , <b>1998</b> , 46, 2895-2907	8.4	28
322	Special grain boundaries in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> thin films. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 182, 241-251	1.3	27
321	Adhesion of polymer/organic interfaces by nanoindentation. <i>Journal of Materials Research</i> , <b>2001</b> , 16, 3378-3388	2.5	26
320	Single-crystal GaN pyramids grown on (111)Si substrates by selective lateral overgrowth. <i>Journal of Crystal Growth</i> , <b>1999</b> , 204, 270-274	1.6	26
319	The 45° grain boundaries in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . <i>Journal of Materials Research</i> , <b>1992</b> , 7, 1052-1059	2.5	26
318	Multiple antiferromagnet/ferromagnet interfaces as a probe of grain-size-dependent exchange bias in polycrystalline Co/Fe <sub>50</sub> Mn <sub>50</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 309, 54-63	2.8	25
317	Growth of nickel ferrite thin films using pulsed-laser deposition. <i>Journal of Crystal Growth</i> , <b>1999</b> , 206, 299-307	1.6	25
316	Interfacial Control of Reaction Kinetics in Oxides. <i>Physical Review Letters</i> , <b>1996</b> , 77, 3367-3370	7.4	25

315	Epitaxy of barium titanate thin films grown on MgO by pulsed-laser ablation. <i>Journal of Materials Research</i> , <b>1991</b> , 6, 2022-2025	2.5	25
314	Structure of the (110) antiphase boundary in gallium phosphide. <i>Journal of Microscopy</i> , <b>2002</b> , 208, 84-99	1.9	24
313	Indentation deformation and fracture of thin polystyrene films. <i>Thin Solid Films</i> , <b>2002</b> , 416, 174-183	2.2	24
312	Catalyst nanoscale assembly from the vapor phase on corrosion resistant supports. <i>Electrochimica Acta</i> , <b>2013</b> , 107, 632-655	6.7	22
311	Structure and growth mechanism of ZnSe nanowires. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 064302	2.5	22
310	A boundary constraint energy balance criterion for small volume deformation. <i>Acta Materialia</i> , <b>2005</b> , 53, 2215-2229	8.4	22
309	Rigid-body translation and bonding across {110} antiphase boundaries in GaAs. <i>Physical Review Letters</i> , <b>1991</b> , 66, 2629-2632	7.4	22
308	Occurrence of solid noble-gas inclusions in ion-beam-implanted magnesium oxide. <i>Physical Review B</i> , <b>1991</b> , 43, 9291-9294	3.3	22
307	Template-free electrochemical synthesis of tin nanostructures. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 1476-1483	4.3	21
306	An Energy Balance Criterion for Nanoindentation-Induced Single and Multiple Dislocation Events. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2006</b> , 73, 327-334	2.7	21
305	Early stages of the heteroepitaxial growth of hematite on (0001) Al <sub>2</sub> O <sub>3</sub> by transmission electron microscopy. <i>Applied Physics Letters</i> , <b>1989</b> , 55, 1202-1204	3.4	21
304	Characterization of the CoGa/GaAs interface. <i>Applied Physics Letters</i> , <b>1989</b> , 55, 39-41	3.4	21
303	In situ TEM observations of the lithiation of molybdenum disulfide. <i>Scripta Materialia</i> , <b>2015</b> , 107, 22-25	5.6	20
302	Characterizing CA2 and CA6 using ELNES. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 1776-1784	3.3	20
301	Self-assembly via adsorbate-driven dislocation reactions. <i>Physical Review Letters</i> , <b>2004</b> , 92, 106101	7.4	19
300	INDENTATION OF STRAINED SILICATE-GLASS FILMS ON ALUMINA SUBSTRATES. <i>Scripta Materialia</i> , <b>1997</b> , 37, 1869-1875	5.6	18
299	A crack extension force correlation for hard materials. <i>International Journal of Fracture</i> , <b>2007</b> , 148, 109-114	11.4	18
298	Experimental investigations into the formation of nanoparticles in aSi:H thin films. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 034310	2.5	18

297	Plasticity responses in ultra-small confined cubes and films. <i>Acta Materialia</i> , <b>2006</b> , 54, 4515-4523	8.4	18
296	Terraces and ledges on (001) spinel surfaces. <i>Surface Science</i> , <b>2002</b> , 513, L402-L412	1.8	18
295	Characterization of the Absolute Crystal Polarity across Twin Boundaries in Gallium Phosphide Using Convergent-Beam Electron Diffraction. <i>Microscopy and Microanalysis</i> , <b>1999</b> , 5, 173-186	0.5	18
294	Dewetting of glass-coated $\text{Al}_2\text{O}_3\{1010\}$ surface. <i>Philosophical Magazine Letters</i> , <b>1995</b> , 72, 269-275	1	18
293	Nucleation of fcc Ta when heating thin films. <i>Scripta Materialia</i> , <b>2015</b> , 96, 21-24	5.6	17
292	Flame-based processing as a practical approach for manufacturing hydrogen evolution electrodes. <i>Journal of Power Sources</i> , <b>2014</b> , 271, 366-376	8.9	17
291	Translation-related domain boundaries form to relieve strain in a thin alumina film on NiAl (110). <i>Applied Physics Letters</i> , <b>2006</b> , 88, 141902	3.4	17
290	Kinetics of Thin-Film Reactions of Nickel Oxide with Alumina: I, (0001) and {1120} Reaction Couples. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 2869-2876	3.8	17
289	Formation, faceting, and interaction behaviors of antiphase boundaries in GaAs thin films. <i>Journal of Materials Science</i> , <b>2001</b> , 36, 4209-4222	4.3	17
288	Stacking-Fault Energies of GaAs. <i>Physica Status Solidi A</i> , <b>1993</b> , 136, 29-43		17
287	TEM in situ lithiation of tin nanoneedles for battery applications. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 589-602	4.3	16
286	Materials synthesis, electrochemical characterization and oxygen permeation properties of Fe-doped BaZrO <sub>3</sub> . <i>Solid State Ionics</i> , <b>2014</b> , 266, 58-67	3.3	16
285	Electron radiation damage of MCM-41 and related materials. <i>Microscopy and Microanalysis</i> , <b>2003</b> , 9, 245-635		16
284	Using the FIB to characterize nanoparticle materials. <i>Journal of Microscopy</i> , <b>2004</b> , 214, 222-36	1.9	16
283	Electric Field Singularity Assisted Nanopatterning. <i>Advanced Materials</i> , <b>2004</b> , 16, 76-80	24	16
282	Kinetics of spinel formation in an external applied electric field. <i>Solid State Ionics</i> , <b>2002</b> , 148, 111-121	3.3	16
281	Electrospinning amorphous SiO <sub>2</sub> -TiO <sub>2</sub> and TiO <sub>2</sub> nanofibers using sol-gel chemistry and its thermal conversion into anatase and rutile. <i>Ceramics International</i> , <b>2018</b> , 44, 4577-4585	5.1	15
280	Defects and site occupancies in Nb-Cr-Ti C15 Laves phase alloys. <i>Scripta Materialia</i> , <b>1998</b> , 39, 619-623	5.6	15

279	Hypersonic plasma particle deposition of SiO <sub>2</sub> nanostructured coatings. <i>Surface and Coatings Technology</i> , <b>2004</b> , 188-189, 364-370	4.4	15
278	Twin boundaries can be moved by step edges during film growth. <i>Physical Review Letters</i> , <b>2005</b> , 95, 1661-1665	4.5	15
277	Nucleation of Solid-State Reactions between Nickel Oxide and Aluminium Oxide. <i>Journal of the American Ceramic Society</i> , <b>1995</b> , 78, 248-250	3.8	15
276	Structure of the Fe <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> (0001) interface. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1993</b> , 67, 699-727		15
275	Interfacial Reactions During Processing of Thin Nickel Oxide Films Grown By Pulsed-Laser Ablation. <i>Materials Research Society Symposia Proceedings</i> , <b>1992</b> , 285, 373		15
274	The effect of an applied electric field on a heterogeneous solid-state reaction. <i>Solid State Ionics</i> , <b>1997</b> , 101-103, 1327-1333	3.3	14
273	The monitoring of grain-boundary grooves in alumina. <i>Philosophical Magazine Letters</i> , <b>2004</b> , 84, 21-26	1	14
272	Thin-Film Reactions. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>1998</b> , 206, 73-99	3.1	14
271	Indentation of Silicate-Glass Films on Al <sub>2</sub> O <sub>3</sub> Substrates. <i>Journal of the American Ceramic Society</i> , <b>1999</b> , 82, 1803-1808	3.8	14
270	Observations of fcc and hcp tantalum. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 3706-3715	4.3	13
269	Defect structure in GaN pyramids. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 779-792	4.3	13
268	Interplay between gas adsorption and dislocation structure on a metal surface. <i>Surface Science</i> , <b>2003</b> , 531, 29-38	1.8	13
267	Observation of Si nanocrystals in a/nc-Si:H films by spherical-aberration corrected transmission electron microscopy. <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 343, 78-84	3.9	13
266	Surface morphology of pulsed-laser deposited aluminium nitride thin films. <i>Journal of Materials Science Letters</i> , <b>1994</b> , 13, 1275-1277		13
265	Low-temperature and ambient-pressure synthesis and shape evolution of nanocrystalline pure, La-doped and Gd-doped CeO <sub>2</sub> . <i>Applied Surface Science</i> , <b>2010</b> , 256, 3772-3777	6.7	12
264	In situ high-temperature electron microscopy of 3DOM cobalt, iron oxide, and nickel. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 3539-3552	4.3	12
263	Kinetics of Thin-Film Reactions of Nickel Oxide with Alumina: II, {1100} and {1102} Reaction Couples. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 2877-2884	3.8	12
262	Growth of spinel particles on alumina thin films: Orientation relationships and shape of the particles. <i>Acta Metallurgica Et Materialia</i> , <b>1994</b> , 42, 2729-2740		12

261	Morphology of NiFe <sub>2</sub> O <sub>4</sub> precipitation in NiO. <i>Acta Metallurgica Et Materialia</i> , <b>1992</b> , 40, 1051-1067		12
260	Kinetics of NiFe <sub>2</sub> O <sub>4</sub> Precipitation in NiO. <i>Journal of the American Ceramic Society</i> , <b>1992</b> , 75, 2244-2250	3.8	12
259	Dislocation configurations in semi-insulating, n-type and p-type GaAs deformed at 150°C. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1989</b> , 60, 245-266		12
258	Crystallization of CaAl <sub>4</sub> O <sub>7</sub> and CaAl <sub>12</sub> O <sub>19</sub> powders. <i>Philosophical Magazine</i> , <b>2009</b> , 89, 605-621	1.6	11
257	Influence of the nature of the (0001) alumina surface on thin film growth. <i>Surface Science</i> , <b>1997</b> , 391, 183-195	1.8	11
256	Insights into nanoparticle formation mechanisms. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 2711-2722	4.3	11
255	A method for determining void arrangements in inverse opals. <i>Journal of Microscopy</i> , <b>2004</b> , 216, 263-87	1.9	11
254	Migration of alumina grain boundaries containing a thin glass film. <i>Acta Materialia</i> , <b>2001</b> , 49, 1963-1969	8.4	11
253	Use of Pt Markers in the Study of Solid-State Reactions in the Presence of an Electric Field. <i>Microscopy and Microanalysis</i> , <b>1998</b> , 4, 158-163	0.5	11
252	Synthesis of cobalt-doped barium cerate-zirconate and its evaluation for hydrogen production and electrochemical characterization. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 3215-3227	4.3	10
251	Crystallization of Pseudo-orthorhombic Anorthite on Basal Sapphire. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 82, 33-42	3.8	10
250	Interaction of silicate liquid with a sapphire surface. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>2000</b> , 80, 2651-2674		10
249	EBSD of Ceramic Materials <b>2000</b> , 299-318		10
248	Crystallization of calcium hexaluminate on basal alumina. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1998</b> , 77, 561-575		10
247	Growth of spinel particles on alumina thin films. Morphology and crystallography of the interface. <i>Acta Metallurgica Et Materialia</i> , <b>1994</b> , 42, 2741-2752		10
246	Flame-Based Synthesis of Core-Shell Structures Using Pd-Ru and Pd Cores. <i>Electrochimica Acta</i> , <b>2014</b> , 138, 341-352	6.7	9
245	Electron-beam damage and point defects near grain boundaries in cerium oxide. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 3007-3018	6	9
244	Hydrothermal Synthesis of Nanocrystalline Barium Cerate Using Hexamethylenetetramine. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 4041-4046	3.8	9



243	Microstructural evolution of cobalt-doped barium cerate/zirconate at elevated temperatures under moist reducing conditions. <i>Journal of the European Ceramic Society</i> , <b>2011</b> , 31, 1421-1429	6	9
242	The effects of crystallography on grain-boundary migration in alumina. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 661-674	4.3	9
241	Nanochemistry of Ceria Abrasive Particles. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 818, 200		9
240	Remnant grooves on alumina surfaces. <i>Surface Science</i> , <b>2004</b> , 573, 391-402	1.8	9
239	Glass and metals on crystalline oxides. <i>Journal of the European Ceramic Society</i> , <b>2003</b> , 23, 2777-2785	6	9
238	The Structure of Interfaces in Oxide Heterojunctions Formed by CVD. <i>Materials Research Society Symposia Proceedings</i> , <b>1989</b> , 159, 209		9
237	In-Situ TEM Crystallization of Silicate-Glass Films on Al <sub>2</sub> O <sub>3</sub> . <i>Acta Materialia</i> , <b>1998</b> , 46, 283-303	8.4	8
236	Modified electron-beam-induced deposition of metal nanostructure arrays using a parallel electron beam. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 133104	3.4	8
235	SEM Analysis of Oxide Thin Films and Reactions. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 82, 1644-1646	3.6	8
234	Behavior of MgFe <sub>2</sub> O <sub>4</sub> Films on MgO in an Electric Field. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 83, 1768-1772	3.8	8
233	Volume expansion and lattice rotations in solid-state reactions between oxides. <i>Scripta Metallurgica Et Materialia</i> , <b>1995</b> , 32, 863-866		8
232	A quantitative analysis of strong-beam fringes from {110} antiphase boundaries in GaAs. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1991</b> , 63, 1299-1314		8
231	Effect of substrate temperature and oxygen pressure on the microstructure of thin YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> film deposited on MgO by pulsed-laser ablation. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 182, 30-38	1.3	8
230	Metal particles on the surfaces of heat-treated ceramic thin films. <i>Surface Science</i> , <b>1992</b> , 265, 127-138	1.8	8
229	Compositionally modulated nucleation and growth of barium bismuth oxide thin films on MgO. <i>Physica C: Superconductivity and Its Applications</i> , <b>1993</b> , 205, 347-353	1.3	8
228	Direct observation of grain orientation in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> thin films. <i>Philosophical Magazine Letters</i> , <b>1990</b> , 62, 77-82	1	8
227	Characterization of BaTiO <sub>3</sub> Thin Films Deposited by Pulsed-Laser Ablation. <i>Materials Research Society Symposia Proceedings</i> , <b>1990</b> , 201, 183		8
226	Role of Oxygen on Chemical Segregation in Uncapped Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> Thin Films on Silicon Nitride. <i>ECS Journal of Solid State Science and Technology</i> , <b>2020</b> , 9, 054007	2	7

225	Phase-Change Materials; the Challenges for TEM. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 1904-1905	0.5	7
224	Nanoengineered Transparent, Free-Standing, Conductive Nanofibrous Membranes. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 19525-19530	3.8	7
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