

# R B Van Dover

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5347020/r-b-van-dover-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

155  
papers

15,293  
citations

55  
h-index

123  
g-index

168  
ext. papers

15,665  
ext. citations

6.3  
avg, IF

5.43  
L-index

#	Paper	IF	Citations
155	Superconducting Quantum Metamaterials from High Pressure Melt Infiltration of Metals into Block Copolymer Double Gyroid Derived Ceramic Templates. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100469	15.6	5
154	Dielectric properties of amorphous BiTiO <sub>3</sub> thin films. <i>Journal of Advanced Dielectrics</i> , <b>2021</b> , 11, 2150009	1.3	0
153	Superconducting Quantum Metamaterials: Superconducting Quantum Metamaterials from High Pressure Melt Infiltration of Metals into Block Copolymer Double Gyroid Derived Ceramic Templates (Adv. Funct. Mater. 23/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170166	15.6	
152	Block copolymer self-assembly-directed synthesis of mesoporous gyroidal superconductors. <i>Science Advances</i> , <b>2016</b> , 2, e1501119	14.3	81
151	Dielectric properties of amorphous ZrAlO <sub>3</sub> and Zr-Si-O thin films. <i>Journal of Advanced Dielectrics</i> , <b>2015</b> , 05, 1550010	1.3	3
150	Design and Validation of High-Efficiency Chopper for Magnetoresistive Sensors. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 2461-2466	2	1
149	Dielectric enhancement in amorphous Ta <sub>2</sub> O <sub>5</sub> /GeO <sub>2</sub> thin films. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 092901	3.4	3
148	Improvement of the low-frequency sensitivity of MgO-based magnetic tunnel junctions by annealing. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 113917	2.5	8
147	Ethanol-Promoted High-Yield Growth of Few-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 6389-6395	3.8	52
146	Dielectric response of tantalum oxide subject to induced ion bombardment during oblique sputter deposition. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 104110	2.5	6
145	A model for calculating resputter rates in codeposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2008</b> , 26, 1030-1036	2.9	6
144	Resputtering phenomena and determination of composition in codeposited films. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	12
143	An approach to achieving a negative index of refraction using coincident resonances. <i>Journal of Applied Physics</i> , <b>2007</b> , 40, 1161-1166	3	1
142	Getter sputtering system for high-throughput fabrication of composition spreads. <i>Review of Scientific Instruments</i> , <b>2007</b> , 78, 072212	1.7	30
141	Epitaxial (SrTiO <sub>3</sub> /BaTiO <sub>3</sub> ) <sub>n</sub> /MgO multiferroic heterostructure. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2007</b> , 25, 37-41	2.9	3
140	Improvements in the Conductivity of n-type ZnO Through Codoping with Al and In. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1035, 1		2
139	High throughput screening of electrocatalysts for fuel cell applications. <i>Review of Scientific Instruments</i> , <b>2006</b> , 77, 054104	1.7	54

138	Effect of the Octahedral Bond Valence on Microwave Dielectric Properties of (1-x)Al <sub>0.5</sub> Ta <sub>0.5</sub> O <sub>2</sub> -xMg <sub>0.33</sub> Ta <sub>0.67</sub> O <sub>2</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 1083-1086	3.8	1
137	Correlation Between Temperature Coefficient of Resonant Frequency and Tetragonality Ratio. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 1144-1146	3.8	7
136	Technique to measure sub-microsecond magnetic field pulses using magnetic (CoPt) thin films. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 182505	3.4	0
135	Molecular volume and polarizability in the amorphous dielectric Zr <sub>0.2</sub> Sn <sub>0.2</sub> Ti <sub>0.6</sub> O <sub>2</sub> . <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 902, 1		
134	High-Throughput Measurement of Magnetostriction using MEMS and Composition Spreads. <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 894, 1		
133	Composition-dependent crystallization of alternative gate dielectrics. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 1459-1461	3.4	20
132	The Compositional Spread Approach to High-Dielectric Constant Materials and Materials for Integrated Optics. <i>ACS Symposium Series</i> , <b>2002</b> , 49-64	0.4	
131	Photoemission study of Zr- and Hf-silicates for use as high- $\epsilon$ oxides: Role of second nearest neighbors and interface charge. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 1788-1790	3.4	104
130	Material and electrical characterization of carbon-doped Ta <sub>2</sub> O <sub>5</sub> films for embedded dynamic random access memory applications. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 308	2.5	39
129	High critical currents in iron-clad superconducting MgB <sub>2</sub> wires. <i>Nature</i> , <b>2001</b> , 411, 563-5	50.4	401
128	Etching of high-k dielectric Zr <sub>1-x</sub> Al <sub>x</sub> O <sub>y</sub> films in chlorine-containing plasmas. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2001</b> , 19, 1361-1366	2.9	76
127	Crystallization kinetics in amorphous (Zr <sub>0.62</sub> Al <sub>0.38</sub> )O <sub>1.8</sub> thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2001</b> , 19, 2779	2.9	18
126	Magnetically transduced surface acoustic wave devices. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 6304-6306	2.5	6
125	Soft-magnetic properties of Fe <sub>1-x</sub> B thin films for ultra-high-frequency applications. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 5858-5860	2.5	21
124	Defect dominated charge transport in amorphous Ta <sub>2</sub> O <sub>5</sub> thin films. <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 850-862	2.5	185
123	High dielectric constant Hf <sub>0.9</sub> Ti <sub>0.1</sub> O thin films. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 1967-1969	3.4	52
122	Analysis of current distribution in magnetic film inductors. <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 5202-5204	4.5	24
121	Amorphous lanthanide-doped TiO <sub>x</sub> dielectric films. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 3041-3043	3.4	110

120	Discovery of a useful thin-film dielectric using a composition-spread approach. <i>Nature</i> , <b>1998</b> , 392, 162-164	3.4	307
119	Specific heat of amorphous rare-earth transition-metal films. <i>Physical Review B</i> , <b>1998</b> , 58, 5672-5683	3.3	28
118	Magnetic anisotropy of doped manganite thin films and crystals. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 7064-7066	2.5	97
117	Improved properties of TaOx films doped with Al and N. <i>Materials Research Society Symposia Proceedings</i> , <b>1998</b> , 541, 561		1
116	High Dielectric Constant Hf-Ti-Sn-O Off-Axis Cosputtered Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1998</b> , 541, 567		
115	High frequency properties of FeCrTaN soft magnetic films. <i>Applied Physics Letters</i> , <b>1997</b> , 70, 3161-3163	3.4	61
114	Magnetic Anisotropy and Lattice Distortions in The Doped Perovskite Manganites. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 494, 41		2
113	The Effects of Strain on The Magnetic Anisotropy of Doped Manganite Thin Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 474, 205		1
112	Fe-Cr-N Based Nanocrystalline Soft Magnetic Thin Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 475, 445		
111	Temperature Dependence of Strong Exchange Coupling in Ferrite Heterostructures. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 475, 587		
110	Magnetic film inductors for radio frequency applications. <i>Journal of Applied Physics</i> , <b>1997</b> , 82, 5247-5254	2.5	68
109	Fe-Cr-N soft magnetic thin films. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 4042-4044	2.5	16
108	The role of strain in magnetic anisotropy of manganite thin films. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 140-142	3.4	265
107	Structure and magnetic properties of epitaxial spinel ferrite thin films. <i>Applied Physics Letters</i> , <b>1996</b> , 68, 714-716	3.4	161
106	Interlayer exchange coupling in amorphous/crystalline NiFe <sub>2</sub> O <sub>4</sub> thin-film bilayers. <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 5926	2.5	31
105	Exchange coupling in single-crystalline spinel-structure (Mn,Zn)Fe <sub>2</sub> O <sub>4</sub> /CoFe <sub>2</sub> O <sub>4</sub> bilayers. <i>Physical Review B</i> , <b>1996</b> , 53, 14016-14019	3.3	70
104	Magnetic properties of epitaxial ferrite multilayer films. <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 5923	2.5	23
103	Effects of 3.1-MeV proton and 1-GeV Au-ion irradiation on the magnetic flux noise and critical current of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . <i>Physical Review B</i> , <b>1996</b> , 54, 15411-15416	3.3	15

102	Epitaxial growth and magnetic behavior of NiFe <sub>2</sub> O <sub>4</sub> thin films. <i>Journal of Materials Research</i> , <b>1996</b> , 11, 1187-1198	2.5	101
101	Correlation of Vortex Motion in High-T <sub>c</sub> Superconductors. <i>Physical Review Letters</i> , <b>1995</b> , 74, 2796-2799	7.4	12
100	Epitaxial Single Crystalline Ferrite Films for High Frequency Applications. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 401, 473		4
99	Trivalent rare earths in layered (LX) <sub>1.15</sub> NbX <sub>2</sub> chalcogenides. <i>Physical Review B</i> , <b>1994</b> , 49, 6343-6345	3.3	18
98	Transparent conducting thin films of GaInO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>1994</b> , 65, 115-117	3.4	106
97	GaInO <sub>3</sub> : A new transparent conducting oxide. <i>Applied Physics Letters</i> , <b>1994</b> , 64, 2071-2072	3.4	89
96	Increases in giant magnetoresistance by ion irradiation. <i>Physical Review B</i> , <b>1994</b> , 50, 3481-3484	3.3	57
95	Superconductivity in RPt <sub>2</sub> B <sub>2</sub> C. <i>Physical Review B</i> , <b>1994</b> , 49, 12384-12387	3.3	77
94	Superconductivity at 23 K in yttrium palladium boride carbide. <i>Nature</i> , <b>1994</b> , 367, 146-148	50.4	542
93	Superconductivity in the quaternary intermetallic compounds LnNi <sub>2</sub> B <sub>2</sub> C. <i>Nature</i> , <b>1994</b> , 367, 252-253	50.4	820
92	Structure and Magnetic Properties of Epitaxial NiFe <sub>2</sub> O <sub>4</sub> Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 341, 41		12
91	Transparent Conducting Films Of GaInO <sub>3</sub> By Sputtering. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 345, 241		1
90	Transparent Conducting Films Grown By Pulsed Laser Deposition. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 345, 255		2
89	Giant magnetoresistance in Fe <sub>0.95</sub> Cr <sub>0.05</sub> /Cr multilayer films. <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 7052-7054	3.54	4
88	Investigation of ternary transition-metal nitride systems by reactive cosputtering. <i>Chemistry of Materials</i> , <b>1993</b> , 5, 32-35	9.6	8
87	Fabrication and properties of epitaxial ferroelectric heterostructures with (SrRuO <sub>3</sub> ) isotropic metallic oxide electrodes. <i>Applied Physics Letters</i> , <b>1993</b> , 63, 2570-2572	3.4	394
86	Magnetoresistance of SmMn <sub>2</sub> Ge <sub>2</sub> : A layered antiferromagnet. <i>Physical Review B</i> , <b>1993</b> , 47, 6134-6137	3.3	99
85	Enhanced giant magnetoresistance in Fe/Cr multilayer films by Cr alloying of the Fe layers. <i>Applied Physics Letters</i> , <b>1993</b> , 63, 1279-1281	3.4	25

84	Increased pinning energies and critical current densities in heavy-ion-irradiated Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> single crystals. <i>Applied Physics Letters</i> , <b>1993</b> , 62, 759-761	3-4	4
83	Deposition and Properties of Epitaxial Ferrite Thin Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1993</b> , 317, 589		3
82	Increased transition temperature in superconducting Na <sub>2</sub> CsC <sub>60</sub> by intercalation of ammonia. <i>Nature</i> , <b>1993</b> , 362, 433-435	50.4	113
81	Comparison of Ba <sub>2</sub> YCu <sub>3</sub> O <sub>7</sub> thin films grown on various perovskite substrates by coevaporation. <i>Journal of Materials Research</i> , <b>1992</b> , 7, 2650-2657	2.5	28
80	High-field magnetization scaling relations for pure and Ni-substituted single-crystal YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>1992</b> , 46, 11092-11101	3-3	30
79	Large electronic-density increase on cooling a layered metal: Doped Bi <sub>2</sub> Te <sub>3</sub> . <i>Physical Review B</i> , <b>1992</b> , 46, 1553-1556	3-3	87
78	Enhancement of flux pinning by H <sup>+</sup> and Xe <sup>+</sup> irradiation in epitaxial thin films of Ba <sub>2</sub> YCu <sub>3</sub> O <sub>7</sub> . <i>Applied Physics Letters</i> , <b>1992</b> , 60, 2932-2934	3-4	29
77	Enhancement of Flux Pinning Force by Ion Beam Irradiation of Epitaxial Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> -Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1992</b> , 275, 293		1
76	Growth mechanisms and properties of 90 degrees grain boundaries in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin films. <i>Physical Review B</i> , <b>1992</b> , 46, 11902-11913	3-3	55
75	Fabrication of thin-film superconductors by bulk processing. <i>Applied Physics Letters</i> , <b>1991</b> , 58, 1917-1919	3-4	9
74	Anomalous composition dependence of anisotropy in amorphous Tb-Fe and Ho-Fe (abstract). <i>Journal of Applied Physics</i> , <b>1991</b> , 69, 5466-5466	2.5	
73	Selective electroless copper metallization of palladium silicide on silicon substrates. <i>Applied Physics Letters</i> , <b>1991</b> , 59, 3449-3451	3-4	10
72	Correlation of structural quality with superconducting behavior in epitaxial thin films of Ba <sub>2</sub> YCu <sub>3</sub> O <sub>7</sub> on LaAlO <sub>3</sub> (100). <i>Journal of Applied Physics</i> , <b>1991</b> , 70, 4982-4988	2.5	30
71	Critical currents and magnetization in c-axis textured Bi-Pb-Sr-Ca-Cu-O superconductors. <i>Applied Physics Letters</i> , <b>1991</b> , 58, 868-870	3-4	72
70	Field dependence of critical currents in polycrystalline Bi-Pb-Sr-Ca-Cu-O superconductors. <i>Applied Physics Letters</i> , <b>1991</b> , 59, 366-368	3-4	4
69	Superconductivity at 60 K in La <sub>2-x</sub> Sr <sub>x</sub> CaCu <sub>2</sub> O <sub>6</sub> : the simplest double-layer cuprate. <i>Nature</i> , <b>1990</b> , 345, 602-604	50.4	221
68	Critical currents in proton-irradiated single-crystal Ba <sub>2</sub> YCu <sub>3</sub> O <sub>7</sub> . <i>Applied Physics Letters</i> , <b>1990</b> , 56, 2681-2683	3-4	81
67	Nonsuperconducting BaSn <sub>1-x</sub> Sb <sub>x</sub> O <sub>3</sub> : The 5s-orbital analog of BaPb <sub>1-x</sub> Bi <sub>x</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>1990</b> , 42, 4815-4818	3-3	80

66	Optimization of annealing parameters for the growth of epitaxial Ba <sub>2</sub> YCu <sub>3</sub> O <sub>7-x</sub> films on LaAlO <sub>3</sub> (100). <i>Journal of Applied Physics</i> , <b>1990</b> , 68, 6353-6360	2.5	72
65	Bulk superconductivity in single CuO layer Bi-Sr-Cu-O ceramics. <i>Applied Physics Letters</i> , <b>1990</b> , 57, 2362-2364	3.4	10
64	Dissipative flux motion in high-temperature superconductors. <i>Physical Review B</i> , <b>1990</b> , 41, 6621-6632	3.3	642
63	Sharp angular sensitivity of pinning due to twin boundaries in Ba <sub>2</sub> YCu <sub>3</sub> O <sub>7</sub> . <i>Applied Physics Letters</i> , <b>1990</b> , 56, 2465-2467	3.4	102
62	Enhancement of the critical current by grain size refinement in Ta-cosputtered NbN thin films. <i>Journal of Applied Physics</i> , <b>1989</b> , 66, 3136-3143	2.5	5
61	Critical currents and thermally activated flux motion in high-temperature superconductors. <i>Applied Physics Letters</i> , <b>1989</b> , 54, 763-765	3.4	310
60	Low-field flux-flow resistivity in Bi <sub>2.2</sub> Sr <sub>2</sub> Ca <sub>0.8</sub> Cu <sub>2</sub> BO <sub>8</sub> (+) delta. <i>Physical Review B</i> , <b>1989</b> , 39, 4800-4803	3.3	32
59	Magnetic and structural investigation of the composition dependence of the local order in amorphous Tb-Fe. <i>Physical Review B</i> , <b>1989</b> , 39, 10591-10605	3.3	27
58	Large magnetic hysteresis in a melt-textured Y-Ba-Cu-O superconductor. <i>Applied Physics Letters</i> , <b>1989</b> , 54, 584-586	3.4	143
57	Anisotropic critical currents in Ba <sub>2</sub> YCu <sub>3</sub> O <sub>7</sub> analyzed using an extended Bean model. <i>Applied Physics Letters</i> , <b>1989</b> , 55, 283-285	3.4	751
56	Extraordinary effect of aluminum substitution on the upper critical field of Ba <sub>2</sub> YCu <sub>3</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>1989</b> , 39, 2932-2935	3.3	25
55	Composition and deposition temperature dependence of the structure of oxidized thin-film amorphous Tb-Fe. <i>Journal of Applied Physics</i> , <b>1989</b> , 65, 2847-2851	2.5	3
54	Critical currents near 106 A cm <sup>-2</sup> at 77 K in neutron-irradiated single-crystal YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Nature</i> , <b>1989</b> , 342, 55-57	50.4	215
53	Low-resistivity contacts to bulk high T <sub>c</sub> superconductors. <i>Applied Physics Letters</i> , <b>1989</b> , 54, 2605-2607	3.4	35
52	Growth of superconducting single crystals in the Bi <sub>2</sub> Br <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> system from alkali chloride fluxes. <i>Nature</i> , <b>1988</b> , 332, 422-424	50.4	132
51	Structure and physical properties of single crystals of the 84-K superconductor Bi <sub>2.2</sub> Sr <sub>2</sub> Ca <sub>0.8</sub> Cu <sub>2</sub> O <sub>8</sub> + delta. <i>Physical Review B</i> , <b>1988</b> , 38, 893-896	3.3	626
50	High critical currents in Y-Ba-Cu-O superconductors. <i>Applied Physics Letters</i> , <b>1988</b> , 52, 2074-2076	3.4	739
49	Magnetization and critical currents of Bi-Sr-Ca-Cu-O and Ba <sub>2</sub> YCu <sub>3</sub> O <sub>7</sub> superconductors. <i>Applied Physics Letters</i> , <b>1988</b> , 53, 2223-2225	3.4	21

48	Critical current densities in single-crystal $\text{Bi}_{2.2}\text{Sr}_2\text{Ca}_{0.8}\text{Cu}_2\text{O}_{8+\delta}$ . <i>Applied Physics Letters</i> , <b>1988</b> , 52, 1910-1912	3.4	70
47	Effects of ion irradiation on the normal state and superconducting properties of NbN thin films. <i>Physical Review B</i> , <b>1988</b> , 38, 2354-2361	3.3	16
46	Correlation of grain boundary defect structure with boundary orientation in $\text{Ba}_2\text{YCu}_3\text{O}_{7-x}$ . <i>Applied Physics Letters</i> , <b>1988</b> , 53, 2105-2107	3.4	21
45	Melt-textured growth of polycrystalline $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ with high transport $J_c$ at 77 K. <i>Physical Review B</i> , <b>1988</b> , 37, 7850-7853	3.3	505
44	$\text{Ba}_{2-x}\text{La}_x\text{YCu}_3\text{O}_{7+\delta}$ perovskite compounds: Crystal chemistry. <i>Physical Review B</i> , <b>1988</b> , 37, 5912-5915	3.3	62
43	Summary Abstract: Duplex coatings for the protection of magneto-optic alloys against oxidation and corrosion. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1988</b> , 6, 1862-1869	2.9	
42	Angular dependence of the upper critical field of $\text{Bi}_{2.2}\text{Sr}_2\text{Ca}_{0.8}\text{Cu}_2\text{O}_{8+\delta}$ . <i>Physical Review B</i> , <b>1988</b> , 38, 5102-5105	3.3	207
41	Fabrication and properties of high- $T_c$ superconducting wires. <i>Journal of Applied Physics</i> , <b>1988</b> , 64, 5896-5898	3.3	16
40	Angular dependence of the magnetic-field-induced resistive transition in single-crystal $\text{Bi}_{2.2}\text{Sr}_2\text{Ca}_{0.8}\text{Cu}_2\text{O}_{8+\delta}$ . <i>Physical Review B</i> , <b>1988</b> , 38, 7045-7048	3.3	13
39	Superconducting thin films of high $T_c$ cuprates prepared by spin-on/pyrolysis. <i>AIP Conference Proceedings</i> , <b>1988</b> ,	0	2
38	Oxidation of an Amorphous Iron-Terbium Alloy. <i>Journal of the Electrochemical Society</i> , <b>1987</b> , 134, 235-239	3.9	14
37	Magneto-optical study of uranium additions to amorphous $\text{Tb}_x\text{Fe}_{1-x}$ . <i>Journal of Applied Physics</i> , <b>1987</b> , 61, 1103-1107	2.5	9
36	Preparation of superconducting thin films of $\text{Ba}_2\text{YCu}_3\text{O}_7$ by a novel spin-on pyrolysis technique. <i>Applied Physics Letters</i> , <b>1987</b> , 51, 1842-1844	3.4	74
35	Direction of the easy axis in amorphous Tb-Fe (abstract). <i>Journal of Applied Physics</i> , <b>1987</b> , 61, 3249-3249	2.5	1
34	Stress and field dependence of critical current in $\text{Ba}_2\text{YCu}_3\text{O}_{7-x}$ superconductors. <i>Applied Physics Letters</i> , <b>1987</b> , 51, 855-857	3.4	39
33	New superconducting cuprate perovskites. <i>Physical Review Letters</i> , <b>1987</b> , 58, 1888-1890	7.4	353
32	Duplex coatings for the protection of magneto-optic alloys against oxidation and corrosion. <i>Applied Physics Letters</i> , <b>1987</b> , 51, 542-544	3.4	4
31	Electronic properties of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ high- $T_c$ superconductors. <i>Physical Review B</i> , <b>1987</b> , 35, 5340-5342	3.3	114



30	Composition-dependent superconductivity in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4-\delta}$ . <i>Physical Review B</i> , <b>1987</b> , 35, 5337-5339	7.4	4	145
29	Batlogg et al. reply. <i>Physical Review Letters</i> , <b>1987</b> , 59, 2616	7.4	4	
28	Isotope effect in the high- $T_c$ superconductors $\text{Ba}_2\text{YCu}_3\text{O}_7$ and $\text{Ba}_2\text{EuCu}_3\text{O}_7$ . <i>Physical Review Letters</i> , <b>1987</b> , 58, 2333-2336	7.4		496
27	Bulk superconductivity at 36 K in $\text{La}_{1.8}\text{Sr}_{0.2}\text{CuO}_4$ . <i>Physical Review Letters</i> , <b>1987</b> , 58, 408-410	7.4		950
26	High $T_C$ superconductors—composite wire fabrication. <i>Applied Physics Letters</i> , <b>1987</b> , 51, 203-204	3.4		174
25	Preparation of Superconducting thin Films of High $T_c$ Cuprates by a Novel Spin-on/Pyrolysis Technique. <i>Materials Research Society Symposia Proceedings</i> , <b>1987</b> , 99, 677			1
24	Effects of Oxygen Stoichiometry on Structure and Properties in $\text{Ba}_2\text{YCu}_3\text{O}_x$ . <i>ACS Symposium Series</i> , <b>1987</b> , 181-191	0.4		14
23	Bulk superconductivity at 91 K in single-phase oxygen-deficient perovskite $\text{Ba}_2\text{YCu}_3\text{O}_x$ . <i>Physical Review Letters</i> , <b>1987</b> , 58, 1676-1679	7.4		1501
22	The P-T magnetic phase diagram of $\text{SmMn}_2\text{Ge}_2$ . <i>Journal of Applied Physics</i> , <b>1987</b> , 61, 4237-4239	2.5		49
21	Unexpected unidirectional anisotropy in amorphous Tb-Fe/Ni-Fe-Mo bilayer films. <i>Applied Physics Letters</i> , <b>1987</b> , 50, 296-298	3.4		30
20	Magnetic behavior of diluted lanthanoid-pnictide systems. <i>Journal of Applied Physics</i> , <b>1987</b> , 61, 3543-3545	2.5		8
19	Superconductivity in $\text{YBa}_2\text{Cu}_3\text{O}_7$ single crystals. <i>Nature</i> , <b>1987</b> , 328, 601-603	50.4		320
18	Magnetic Properties of Gd-Substituted Yttrium Nitride. <i>Materials Research Society Symposia Proceedings</i> , <b>1986</b> , 89, 147			2
17	Microstructures of thin sputtered amorphous $\text{Tb}_{0.26}\text{Fe}_{0.74}$ and polycrystalline Fe films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1986</b> , 4, 543-546	2.9		11
16	Microstructure of magnetron co-sputtered CoCr thin films. <i>Applied Physics Letters</i> , <b>1986</b> , 49, 1308-1310	3.4		6
15	Effect of oxidation on the magnetic properties of unprotected TbFe thin films. <i>Journal of Applied Physics</i> , <b>1986</b> , 59, 1291-1296	2.5		79
14	Summary Abstract: Oxidation of a terbium-iron alloy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1986</b> , 4, 1631-1632	2.9		3
13	dc magnetron- and diode-sputtered polycrystalline Fe and amorphous Tb(FeCo) films: Morphology and magnetic properties. <i>Journal of Applied Physics</i> , <b>1986</b> , 59, 551-556	2.5		33

12	Intrinsic anisotropy of Tb-Fe films prepared by magnetron Co sputtering. <i>Journal of Applied Physics</i> , <b>1985</b> , 57, 3897-3899	2.5	76
11	A simple inductive contactless switch. <i>Journal of Applied Physics</i> , <b>1985</b> , 57, 3798-3799	2.5	1
10	Ferritic Fe-Ni magnetic sensor wires with end-to-end voltage-generating characteristics. <i>Journal of Applied Physics</i> , <b>1985</b> , 57, 3800-3802	2.5	
9	Aging effects on amorphous Tb-transition-metal films prepared by diode and magnetron sputtering. <i>Journal of Applied Physics</i> , <b>1985</b> , 57, 3900-3902	2.5	29
8	Preparation of NbN by reactive magnetron sputtering using Ne and Kr inert diluents. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1984</b> , 2, 1257-1260	2.9	8
7	Ion beam oxidation for Josephson circuit applications. <i>Applied Physics Letters</i> , <b>1984</b> , 44, 703-705	3.4	15
6	Magnetic sensors using Fe-Cr-Ni alloys with square hysteresis loops. <i>Journal of Applied Physics</i> , <b>1984</b> , 55, 2620-2622	2.5	2
5	Summary Abstract: Low temperature deposition and properties of superconducting NbN by reactive dc magnetron sputtering. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1983</b> , 1, 365-366	2.9	7
4	Properties of NbN thin films deposited on ambient temperature substrates. <i>Journal of Applied Physics</i> , <b>1983</b> , 54, 6509-6516	2.5	103
3	Superconductive tunneling into NbN deposited near room temperature. <i>Applied Physics Letters</i> , <b>1982</b> , 41, 764-766	3.4	38
2	Superconductor-normal-superconductor microbridges: Fabrication, electrical behavior, and modeling. <i>Journal of Applied Physics</i> , <b>1981</b> , 52, 7327-7343	2.5	50
1	Refractory-superconductor S-N-S microbridges. <i>Applied Physics Letters</i> , <b>1980</b> , 37, 838-840	3.4	8