

R B Van Dover

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155
papers

15,293
citations

55
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123
g-index

168
ext. papers

15,665
ext. citations

6.3
avg, IF

5.43
L-index

#	Paper	IF	Citations
155	Bulk superconductivity at 91 K in single-phase oxygen-deficient perovskite Ba ₂ YCu. <i>Physical Review Letters</i> , 1987 , 58, 1676-1679	7.4	1501
154	Bulk superconductivity at 36 K in La _{1.8} Sr _{0.2} CuO ₄ . <i>Physical Review Letters</i> , 1987 , 58, 408-410	7.4	950
153	Superconductivity in the quaternary intermetallic compounds LnNi ₂ B ₂ C. <i>Nature</i> , 1994 , 367, 252-253	50.4	820
152	Anisotropic critical currents in Ba ₂ YCu ₃ O ₇ analyzed using an extended Bean model. <i>Applied Physics Letters</i> , 1989 , 55, 283-285	3.4	751
151	High critical currents in Y-Ba-Cu-O superconductors. <i>Applied Physics Letters</i> , 1988 , 52, 2074-2076	3.4	739
150	Dissipative flux motion in high-temperature superconductors. <i>Physical Review B</i> , 1990 , 41, 6621-6632	3.3	642
149	Structure and physical properties of single crystals of the 84-K superconductor Bi _{2.2} Sr ₂ Ca _{0.8} Cu ₂ O _{8+δ} . <i>Physical Review B</i> , 1988 , 38, 893-896	3.3	626
148	Superconductivity at 23 K in yttrium palladium boride carbide. <i>Nature</i> , 1994 , 367, 146-148	50.4	542
147	Melt-textured growth of polycrystalline YBa ₂ Cu ₃ O _{7-δ} with high transport J _c at 77 K. <i>Physical Review B</i> , 1988 , 37, 7850-7853	3.3	505
146	Isotope effect in the high-T _c superconductors Ba ₂ YCu ₃ O ₇ and Ba ₂ EuCu ₃ O ₇ . <i>Physical Review Letters</i> , 1987 , 58, 2333-2336	7.4	496
145	High critical currents in iron-clad superconducting MgB ₂ wires. <i>Nature</i> , 2001 , 411, 563-5	50.4	401
144	Fabrication and properties of epitaxial ferroelectric heterostructures with (SrRuO ₃) isotropic metallic oxide electrodes. <i>Applied Physics Letters</i> , 1993 , 63, 2570-2572	3.4	394
143	New superconducting cuprate perovskites. <i>Physical Review Letters</i> , 1987 , 58, 1888-1890	7.4	353
142	Superconductivity in YBa ₂ Cu ₃ O ₇ single crystals. <i>Nature</i> , 1987 , 328, 601-603	50.4	320
141	Critical currents and thermally activated flux motion in high-temperature superconductors. <i>Applied Physics Letters</i> , 1989 , 54, 763-765	3.4	310
140	Discovery of a useful thin-film dielectric using a composition-spread approach. <i>Nature</i> , 1998 , 392, 162-164	50.4	307
139	The role of strain in magnetic anisotropy of manganite thin films. <i>Applied Physics Letters</i> , 1997 , 71, 140-142	3.4	265

138	Superconductivity at 60 K in La _{2-x} Sr _x CaCu ₂ O ₆ : the simplest double-layer cuprate. <i>Nature</i> , 1990 , 345, 602-604	50.4	221
137	Critical currents near 106 A cm ⁻² at 77 K in neutron-irradiated single-crystal YBa ₂ Cu ₃ O ₇ . <i>Nature</i> , 1989 , 342, 55-57	50.4	215
136	Angular dependence of the upper critical field of Bi _{2.2} Sr ₂ Ca _{0.8} Cu ₂ O _{8+δ} . <i>Physical Review B</i> , 1988 , 38, 5102-5105	3.3	207
135	Defect dominated charge transport in amorphous Ta ₂ O ₅ thin films. <i>Journal of Applied Physics</i> , 2000 , 88, 850-862	2.5	185
134	High TC superconductors composite wire fabrication. <i>Applied Physics Letters</i> , 1987 , 51, 203-204	3.4	174
133	Structure and magnetic properties of epitaxial spinel ferrite thin films. <i>Applied Physics Letters</i> , 1996 , 68, 714-716	3.4	161
132	Composition-dependent superconductivity in La _{2-x} Sr _x CuO _{4-δ} . <i>Physical Review B</i> , 1987 , 35, 5337-5339	3.3	145
131	Large magnetic hysteresis in a melt-textured Y-Ba-Cu-O superconductor. <i>Applied Physics Letters</i> , 1989 , 54, 584-586	3.4	143
130	Growth of superconducting single crystals in the Bi ₂ Te ₂ Cu ₂ O ₈ system from alkali chloride fluxes. <i>Nature</i> , 1988 , 332, 422-424	50.4	132
129	Electronic properties of La _{2-x} Sr _x CuO ₄ high-T _c superconductors. <i>Physical Review B</i> , 1987 , 35, 5340-5342	3.3	114
128	Increased transition temperature in superconducting Na ₂ CsC ₆₀ by intercalation of ammonia. <i>Nature</i> , 1993 , 362, 433-435	50.4	113
127	Amorphous lanthanide-doped TiO _x dielectric films. <i>Applied Physics Letters</i> , 1999 , 74, 3041-3043	3.4	110
126	Transparent conducting thin films of GaInO ₃ . <i>Applied Physics Letters</i> , 1994 , 65, 115-117	3.4	106
125	Photoemission study of Zr- and Hf-silicates for use as high-κ oxides: Role of second nearest neighbors and interface charge. <i>Applied Physics Letters</i> , 2002 , 81, 1788-1790	3.4	104
124	Properties of NbN thin films deposited on ambient temperature substrates. <i>Journal of Applied Physics</i> , 1983 , 54, 6509-6516	2.5	103
123	Sharp angular sensitivity of pinning due to twin boundaries in Ba ₂ YCu ₃ O ₇ . <i>Applied Physics Letters</i> , 1990 , 56, 2465-2467	3.4	102
122	Epitaxial growth and magnetic behavior of NiFe ₂ O ₄ thin films. <i>Journal of Materials Research</i> , 1996 , 11, 1187-1198	2.5	101
121	Magnetoresistance of SmMn ₂ Ge ₂ : A layered antiferromagnet. <i>Physical Review B</i> , 1993 , 47, 6134-6137	3.3	99

- 120 Magnetic anisotropy of doped manganite thin films and crystals. *Journal of Applied Physics*, **1998**, 83, 7064-7066 2.5 97
- 119 GaInO₃: A new transparent conducting oxide. *Applied Physics Letters*, **1994**, 64, 2071-2072 3.4 89
- 118 Large electronic-density increase on cooling a layered metal: Doped Bi₂Te₃. *Physical Review B*, **1992**, 46, 1553-1556 3.3 87
- 117 Block copolymer self-assembly-directed synthesis of mesoporous gyroidal superconductors. *Science Advances*, **2016**, 2, e1501119 14.3 81
- 116 Critical currents in proton-irradiated single-crystal Ba₂YCu₃O_{7- δ} . *Applied Physics Letters*, **1990**, 56, 2681-2683 3.4 81
- 115 Nonsuperconducting BaSn_{1-x}Sb_xO₃: The 5s-orbital analog of BaPb_{1-x}Bi_xO₃. *Physical Review B*, **1990**, 42, 4815-4818 3.3 80
- 114 Effect of oxidation on the magnetic properties of unprotected TbFe thin films. *Journal of Applied Physics*, **1986**, 59, 1291-1296 2.5 79
- 113 Superconductivity in RPt₂B₂C. *Physical Review B*, **1994**, 49, 12384-12387 3.3 77
- 112 Etching of high-k dielectric Zr_{1-x}Al_xO_y films in chlorine-containing plasmas. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2001**, 19, 1361-1366 2.9 76
- 111 Intrinsic anisotropy of Tb-Fe films prepared by magnetron Co sputtering. *Journal of Applied Physics*, **1985**, 57, 3897-3899 2.5 76
- 110 Preparation of superconducting thin films of Ba₂YCu₃O₇ by a novel spin-on pyrolysis technique. *Applied Physics Letters*, **1987**, 51, 1842-1844 3.4 74
- 109 Critical currents and magnetization in c-axis textured Bi-Pb-Sr-Ca-Cu-O superconductors. *Applied Physics Letters*, **1991**, 58, 868-870 3.4 72
- 108 Optimization of annealing parameters for the growth of epitaxial Ba₂YCu₃O_{7- δ} films on LaAlO₃(100). *Journal of Applied Physics*, **1990**, 68, 6353-6360 2.5 72
- 107 Exchange coupling in single-crystalline spinel-structure (Mn,Zn)Fe₂O₄/CoFe₂O₄ bilayers. *Physical Review B*, **1996**, 53, 14016-14019 3.3 70
- 106 Critical current densities in single-crystal Bi_{2.2}Sr₂Ca_{0.8}Cu₂O_{8+ δ} . *Applied Physics Letters*, **1988**, 52, 1910-1912 3.4 70
- 105 Magnetic film inductors for radio frequency applications. *Journal of Applied Physics*, **1997**, 82, 5247-5254 2.5 68
- 104 Ba_{2-x}La_xYCu₃O_{7+/- δ} perovskite compounds: Crystal chemistry. *Physical Review B*, **1988**, 37, 5912-5915 3.4 62
- 103 High frequency properties of Fe_{1-x}Ta_x soft magnetic films. *Applied Physics Letters*, **1997**, 70, 3161-3163 3.4 61

102	Increases in giant magnetoresistance by ion irradiation. <i>Physical Review B</i> , 1994 , 50, 3481-3484	3.3	57
101	Growth mechanisms and properties of 90 degrees grain boundaries in YBa ₂ Cu ₃ O ₇ thin films. <i>Physical Review B</i> , 1992 , 46, 11902-11913	3.3	55
100	High throughput screening of electrocatalysts for fuel cell applications. <i>Review of Scientific Instruments</i> , 2006 , 77, 054104	1.7	54
99	Ethanol-Promoted High-Yield Growth of Few-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 6389-6395	3.8	52
98	High dielectric constant Hf _{0.8} Sn _{0.2} TiO ₂ thin films. <i>Applied Physics Letters</i> , 1999 , 75, 1967-1969	3.4	52
97	Superconductor-normal-superconductor microbridges: Fabrication, electrical behavior, and modeling. <i>Journal of Applied Physics</i> , 1981 , 52, 7327-7343	2.5	50
96	The P-T magnetic phase diagram of SmMn ₂ Ge ₂ . <i>Journal of Applied Physics</i> , 1987 , 61, 4237-4239	2.5	49
95	Material and electrical characterization of carbon-doped Ta ₂ O ₅ films for embedded dynamic random access memory applications. <i>Journal of Applied Physics</i> , 2002 , 91, 308	2.5	39
94	Stress and field dependence of critical current in Ba ₂ YCu ₃ O _{7-x} superconductors. <i>Applied Physics Letters</i> , 1987 , 51, 855-857	3.4	39
93	Superconductive tunneling into NbN deposited near room temperature. <i>Applied Physics Letters</i> , 1982 , 41, 764-766	3.4	38
92	Low-resistivity contacts to bulk high T _c superconductors. <i>Applied Physics Letters</i> , 1989 , 54, 2605-2607	3.4	35
91	dc magnetron- and diode-sputtered polycrystalline Fe and amorphous Tb(FeCo) films: Morphology and magnetic properties. <i>Journal of Applied Physics</i> , 1986 , 59, 551-556	2.5	33
90	Low-field flux-flow resistivity in Bi _{2.2} Sr ₂ Ca _{0.8} Cu ₂ BO ₈ (+) delta. <i>Physical Review B</i> , 1989 , 39, 4800-4803	3.3	32
89	Interlayer exchange coupling in amorphous/crystalline NiFe ₂ O ₄ thin-film bilayers. <i>Journal of Applied Physics</i> , 1996 , 79, 5926	2.5	31
88	Getter sputtering system for high-throughput fabrication of composition spreads. <i>Review of Scientific Instruments</i> , 2007 , 78, 072212	1.7	30
87	Correlation of structural quality with superconducting behavior in epitaxial thin films of Ba ₂ YCu ₃ O _{7-x} /LaAlO ₃ (100). <i>Journal of Applied Physics</i> , 1991 , 70, 4982-4988	2.5	30
86	High-field magnetization scaling relations for pure and Ni-substituted single-crystal YBa ₂ Cu ₃ O ₇ . <i>Physical Review B</i> , 1992 , 46, 11092-11101	3.3	30
85	Unexpected unidirectional anisotropy in amorphous Tb-Fe/Ni-Fe-Mo bilayer films. <i>Applied Physics Letters</i> , 1987 , 50, 296-298	3.4	30

84	Enhancement of flux pinning by H ⁺ and Xe ⁺ irradiation in epitaxial thin films of Ba ₂ YCu ₃ O ₇ ∓. <i>Applied Physics Letters</i> , 1992 , 60, 2932-2934	3.4	29
83	Aging effects on amorphous Tb-transition-metal films prepared by diode and magnetron sputtering. <i>Journal of Applied Physics</i> , 1985 , 57, 3900-3902	2.5	29
82	Specific heat of amorphous rare-earth-transition-metal films. <i>Physical Review B</i> , 1998 , 58, 5672-5683	3.3	28
81	Comparison of Ba ₂ YCu ₃ O ₇ ∓ thin films grown on various perovskite substrates by coevaporation. <i>Journal of Materials Research</i> , 1992 , 7, 2650-2657	2.5	28
80	Magnetic and structural investigation of the composition dependence of the local order in amorphous Tb-Fe. <i>Physical Review B</i> , 1989 , 39, 10591-10605	3.3	27
79	Enhanced giant magnetoresistance in Fe/Cr multilayer films by Cr alloying of the Fe layers. <i>Applied Physics Letters</i> , 1993 , 63, 1279-1281	3.4	25
78	Extraordinary effect of aluminum substitution on the upper critical field of Ba ₂ YCu ₃ O ₇ . <i>Physical Review B</i> , 1989 , 39, 2932-2935	3.3	25
77	Analysis of current distribution in magnetic film inductors. <i>Journal of Applied Physics</i> , 1999 , 85, 5202-5204.5	4.5	24
76	Magnetic properties of epitaxial ferrite multilayer films. <i>Journal of Applied Physics</i> , 1996 , 79, 5923	2.5	23
75	Soft-magnetic properties of Fe _{1-x} O _x B thin films for ultra-high-frequency applications. <i>Journal of Applied Physics</i> , 2000 , 87, 5858-5860	2.5	21
74	Magnetization and critical currents of Bi-Sr-Ca-Cu-O and Ba ₂ YCu ₃ O ₇ superconductors. <i>Applied Physics Letters</i> , 1988 , 53, 2223-2225	3.4	21
73	Correlation of grain boundary defect structure with boundary orientation in Ba ₂ YCu ₃ O ₇ ∓. <i>Applied Physics Letters</i> , 1988 , 53, 2105-2107	3.4	21
72	Composition-dependent crystallization of alternative gate dielectrics. <i>Applied Physics Letters</i> , 2003 , 83, 1459-1461	3.4	20
71	Crystallization kinetics in amorphous (Zr _{0.62} Al _{0.38})O _{1.8} thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001 , 19, 2779	2.9	18
70	Trivalent rare earths in layered (LX) _{1.15} NbX ₂ chalcogenides. <i>Physical Review B</i> , 1994 , 49, 6343-6345	3.3	18
69	Fe-Cr-N soft magnetic thin films. <i>Journal of Applied Physics</i> , 1997 , 81, 4042-4044	2.5	16
68	Effects of ion irradiation on the normal state and superconducting properties of NbN thin films. <i>Physical Review B</i> , 1988 , 38, 2354-2361	3.3	16
67	Fabrication and properties of high-T _c superconducting wires. <i>Journal of Applied Physics</i> , 1988 , 64, 5896-5898	3.3	16

66	Effects of 3.1-MeV proton and 1-GeV Au-ion irradiation on the magnetic flux noise and critical current of YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 1996 , 54, 15411-15416	3.3	15
65	Ion beam oxidation for Josephson circuit applications. <i>Applied Physics Letters</i> , 1984 , 44, 703-705	3.4	15
64	Oxidation of an Amorphous Iron-Terbium Alloy. <i>Journal of the Electrochemical Society</i> , 1987 , 134, 235-239	3.9	14
63	Effects of Oxygen Stoichiometry on Structure and Properties in Ba ₂ YCu ₃ O _x . <i>ACS Symposium Series</i> , 1987 , 181-191	0.4	14
62	Angular dependence of the magnetic-field-induced resistive transition in single-crystal Bi _{2.2} Sr ₂ Ca _{0.8} Cu ₂ O _{8+δ} . <i>Physical Review B</i> , 1988 , 38, 7045-7048	3.3	13
61	Resputtering phenomena and determination of composition in codeposited films. <i>Physical Review B</i> , 2007 , 76,	3.3	12
60	Correlation of Vortex Motion in High-T _c Superconductors. <i>Physical Review Letters</i> , 1995 , 74, 2796-2799	7.4	12
59	Structure and Magnetic Properties of Epitaxial NiFe ₂ O ₄ Films. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 341, 41		12
58	Microstructures of thin sputtered amorphous Tb _{0.26} Fe _{0.74} and polycrystalline Fe films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1986 , 4, 543-546	2.9	11
57	Selective electroless copper metallization of palladium silicide on silicon substrates. <i>Applied Physics Letters</i> , 1991 , 59, 3449-3451	3.4	10
56	Bulk superconductivity in single CuO layer Bi-Sr-Cu-O ceramics. <i>Applied Physics Letters</i> , 1990 , 57, 2362-2364	3.4	10
55	Fabrication of thin-film superconductors by bulk processing. <i>Applied Physics Letters</i> , 1991 , 58, 1917-1919	3.4	9
54	Magneto-optical study of uranium additions to amorphous Tb _x Fe _{1-x} . <i>Journal of Applied Physics</i> , 1987 , 61, 1103-1107	2.5	9
53	Improvement of the low-frequency sensitivity of MgO-based magnetic tunnel junctions by annealing. <i>Journal of Applied Physics</i> , 2011 , 109, 113917	2.5	8
52	Investigation of ternary transition-metal nitride systems by reactive cosputtering. <i>Chemistry of Materials</i> , 1993 , 5, 32-35	9.6	8
51	Magnetic behavior of diluted lanthanoid-pnictide systems. <i>Journal of Applied Physics</i> , 1987 , 61, 3543-3545	2.5	8
50	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> , 1984 , 2, 1257-1260	2.9	8
49	Refractory-superconductor S-N-S microbridges. <i>Applied Physics Letters</i> , 1980 , 37, 838-840	3.4	8

48	Correlation Between Temperature Coefficient of Resonant Frequency and Tetragonality Ratio. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1144-1146	3.8	7
47	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> , 1983 , 1, 365-366	2.9	7
46	Dielectric response of tantalum oxide subject to induced ion bombardment during oblique sputter deposition. <i>Journal of Applied Physics</i> , 2009 , 106, 104110	2.5	6
45	A model for calculating resputter rates in codeposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2008 , 26, 1030-1036	2.9	6
44	Magnetically transduced surface acoustic wave devices. <i>Journal of Applied Physics</i> , 2000 , 87, 6304-6306	2.5	6
43	Microstructure of magnetron co-sputtered CoCr thin films. <i>Applied Physics Letters</i> , 1986 , 49, 1308-1310	3.4	6
42	Enhancement of the critical current by grain size refinement in Ta-cosputtered NbN thin films. <i>Journal of Applied Physics</i> , 1989 , 66, 3136-3143	2.5	5
41	Superconducting Quantum Metamaterials from High Pressure Melt Infiltration of Metals into Block Copolymer Double Gyroid Derived Ceramic Templates. <i>Advanced Functional Materials</i> , 2021 , 31, 2100469 ^{15,6}	5.6	5
40	Increased pinning energies and critical current densities in heavy-ion-irradiated Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystals. <i>Applied Physics Letters</i> , 1993 , 62, 759-761	3.4	4
39	Giant magnetoresistance in Fe _{0.95} Cr _{0.05} /Cr multilayer films. <i>Journal of Applied Physics</i> , 1994 , 75, 7052-7054	3.4	4
38	Epitaxial Single Crystalline Ferrite Films for High Frequency Applications. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 401, 473		4
37	Field dependence of critical currents in polycrystalline Bi-Pb-Sr-Ca-Cu-O superconductors. <i>Applied Physics Letters</i> , 1991 , 59, 366-368	3.4	4
36	Duplex coatings for the protection of magneto-optic alloys against oxidation and corrosion. <i>Applied Physics Letters</i> , 1987 , 51, 542-544	3.4	4
35	Batlogg et al. reply. <i>Physical Review Letters</i> , 1987 , 59, 2616	7.4	4
34	Dielectric properties of amorphous ZrAlO ₃ and Zr-Si-O thin films. <i>Journal of Advanced Dielectrics</i> , 2015 , 05, 1550010	1.3	3
33	Dielectric enhancement in amorphous Ta _x Ge _{1-x} O _y thin films. <i>Applied Physics Letters</i> , 2012 , 101, 092901	3.4	3
32	Epitaxial (SrTiO ₃ /NiO) _n /MgO multiferroic heterostructure. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2007 , 25, 37-41	2.9	3
31	Deposition and Properties of Epitaxial Ferrite Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 317, 589		3

30	Composition and deposition temperature dependence of the structure of oxidized thin-film amorphous Tb-Fe. <i>Journal of Applied Physics</i> , 1989 , 65, 2847-2851	2.5	3
29	Summary Abstract: Oxidation of a terbium-iron alloy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1986 , 4, 1631-1632	2.9	3
28	Magnetic Anisotropy and Lattice Distortions in The Doped Perovskite Manganites. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 494, 41		2
27	Improvements in the Conductivity of n-type ZnO Through Codoping with Al and In. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 1035, 1		2
26	Transparent Conducting Films Grown By Pulsed Laser Deposition. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 345, 255		2
25	Magnetic Properties of Gd-Substituted Yttrium Nitride. <i>Materials Research Society Symposia Proceedings</i> , 1986 , 89, 147		2
24	Superconducting thin films of high Tc cuprates prepared by spin-on/pyrolysis. <i>AIP Conference Proceedings</i> , 1988 ,	0	2
23	Magnetic sensors using Fe-Cr-Ni alloys with square hysteresis loops. <i>Journal of Applied Physics</i> , 1984 , 55, 2620-2622	2.5	2
22	Design and Validation of High-Efficiency Chopper for Magnetoresistive Sensors. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 2461-2466	2	1
21	The Effects of Strain on The Magnetic Anisotropy of Doped Manganite Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 474, 205		1
20	An approach to achieving a negative index of refraction using coincident resonances. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 1161-1166	3	1
19	Effect of the Octahedral Bond Valence on Microwave Dielectric Properties of (1-x)Al _{0.5} Ta _{0.5} O ₂ -xMg _{0.33} Ta _{0.67} O ₂ Ceramics. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1083-1086	3.8	1
18	Improved properties of TaOx films doped with Al and N. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 541, 561		1
17	Transparent Conducting Films Of GaInO3 By Sputtering. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 345, 241		1
16	Enhancement of Flux Pinning Force by Ion Beam Irradiation of Epitaxial Ba2Cu3O7-x Films. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 275, 293		1
15	Direction of the easy axis in amorphous Tb-Fe (abstract). <i>Journal of Applied Physics</i> , 1987 , 61, 3249-3249	2.5	1
14	Preparation of Superconducting thin Films of High Tc Cuprates by a Novel Spin-on/Pyrolysis Technique. <i>Materials Research Society Symposia Proceedings</i> , 1987 , 99, 677		1
13	A simple inductive contactless switch. <i>Journal of Applied Physics</i> , 1985 , 57, 3798-3799	2.5	1

- 12 Technique to measure sub-microsecond magnetic field pulses using magnetic (CoPt) thin films. *Applied Physics Letters*, **2005**, 87, 182505 3.4 0
- 11 Dielectric properties of amorphous BiTiO thin films. *Journal of Advanced Dielectrics*, **2021**, 11, 2150009 1.3 0
- 10 Fe-Cr-N Based Nanocrystalline Soft Magnetic Thin Films. *Materials Research Society Symposia Proceedings*, **1997**, 475, 445
- 9 Temperature Dependence of Strong Exchange Coupling in Ferrite Heterostructures. *Materials Research Society Symposia Proceedings*, **1997**, 475, 587
- 8 The Compositional Spread Approach to High-Dielectric Constant Materials and Materials for Integrated Optics. *ACS Symposium Series*, **2002**, 49-64 0.4
- 7 Molecular volume and polarizability in the amorphous dielectric Zr_{0.2}Sn_{0.2}Ti_{0.6}O₂. *Materials Research Society Symposia Proceedings*, **2005**, 902, 1
- 6 High-Throughput Measurement of Magnetostriction using MEMS and Composition Spreads. *Materials Research Society Symposia Proceedings*, **2005**, 894, 1
- 5 High Dielectric Constant Hf-Ti-Sn-O Off-Axis Cosputtered Films. *Materials Research Society Symposia Proceedings*, **1998**, 541, 567
- 4 Anomalous composition dependence of anisotropy in amorphous Tb-Fe and Ho-Fe (abstract). *Journal of Applied Physics*, **1991**, 69, 5466-5466 2.5
- 3 Summary Abstract: Duplex coatings for the protection of magneto-optic alloys against oxidation and corrosion. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1988**, 6, 1862-1862 2.9
- 2 Ferritic Fe-Ni magnetic sensor wires with end-to-end voltage-generating characteristics. *Journal of Applied Physics*, **1985**, 57, 3800-3802 2.5
- 1 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). *Advanced Functional Materials*, **2021**, 31, 2170166 15.6