

CITATION REPORT

List of articles citing

Magnetization of High-Field Superconductors

DOI: 10.1103/revmodphys.36.31

Reviews of Modern Physics, 1964, 36, 31-39.

Source: <https://exaly.com/paper-pdf/8407398/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. 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.

#	Paper	IF	Citations
2288	The effect of metallurgical variables on superconducting properties. 1963 , 12, 185-284		19
2287	Magnetothermal Effects in Type II Superconductors. 1964 , 13, 606-609		37
2286	Magnetisation curves of superconducting indium lead alloys in a longitudinal and a transverse field. 1964 , 13, 195-196		4
2285	Alternating Current Power Losses in Superconducting Nb-Zr Alloys. <i>Journal of Applied Physics</i> , 1964 , 35, 2649-2655	2.5	21
2284	Superconductors of the second kind. 1965 , 5, 185-193		8
2283	A simple model for the magnetic behaviour of superconductors with an anchored filament structure. 1965 , 31, 317-325		5
2282	On dissipative phenomena in the mixed superconductive state. 1965 , 31, 407-412		9
2281	Observation of the speed of flux jumps in superconducting niobium. 1965 , 18, 236-238		35
2280	Propagation of mixed state phase boundary in type-II superconductor. 1965 , 19, 374-375		2
2279	Experiments with superconducting niobium - tin cylinders. 1965 , 16, 947-956		9
2278	BEHAVIOR OF THE MAGNETIZATION OF HARD SUPERCONDUCTORS WITH TRANSPORT CURRENT IN TRANSVERSE FIELDS. I. 1965 , 6, 189-191		5
2277	Superconductivity of NbC/NbN Whiskers. 1965 , 140, A1581-A1585		14
2276	Critical Magnetic Field and Transition Temperature of Synthetic High-Field Superconductors. 1966 , 148, 223-230		67
2275	Type II superconductors. 1966 , 29, 445-487		73
2274	Magnetic losses in superconductors at high frequencies. 1966 , 2, 331-333		5
2273	Ultrasonic Observation of Magnetization and Flux Jumping in a Superconducting Nb-Zr Alloy. <i>Journal of Applied Physics</i> , 1966 , 37, 925-926	2.5	4
2272	Making superconductors hard. 1966 , 18, 698-704		1

2271	Direct observation of surface effects in a hysteretic superconductor. 1966 , 23, 416-417		4
2270	AC Measurements on Hard Superconductors. 1966 , 17, 631-643		68
2269	Hard superconductors. 1966 , 1, 2-29		47
2268	Evidence of surface currents in the mixed state of non-ideal type II superconductors. 1966 , 21, 150-152		8
2267	Magnetische hystereseverluste von hochfeldsupraleitern. 1966 , 20, 262-263		5
2266	Intrinsic properties of hysteresis loops of superconductors. 1966 , 20, 263-264		7
2265	Experimental evidence for the surface nature of A.C. losses in type II superconductors. 1966 , 20, 333-334		5
2264	Direct evidence of hysteresis in superconductors resulting from surface properties. 1966 , 21, 260-262		12
2263	Remanent induction in a hard superconductor. 1966 , 20, 619-621		9
2262	Über den Einfluss von Oberflächenströmen auf die Wechselstromverluste harter Supraleiter. 1966 , 21, 507-508		12
2261	Second-Kind Superconductivity of Indium-Lead Alloys. <i>Journal of the Physical Society of Japan</i> , 1966 , 21, 2122-2131	1.5	22
2260	Effect of heat treatment on the superconducting properties of cold-worked niobium. 1966 , 17, 505-511		10
2259	Parallel critical fields of type I tin films. 1966 , 89, 645-659		7
2258	Magnetic properties of thin films of soft superconductors. 1966 , 89, 633-644		6
2257	Ferromagnetic Particles in a Type-II Superconductor. <i>Journal of Applied Physics</i> , 1966 , 37, 3551-3556	2.5	63
2256	Magnetic Instabilities and Flux Annihilation in Grossly Inhomogeneous Superconductors. <i>Journal of Applied Physics</i> , 1966 , 37, 2351-2354	2.5	1
2255	Nb-25%Zr in Strong Magnetic Fields: Magnetic, Resistive, Ultrasonic, and Thermal Behavior. 1966 , 148, 231-246		58
2254	Effect of Thermal-Neutron Irradiation on the Superconducting Properties of Nb ₃ Al and V ₃ Si Doped with Fissionable Impurities. <i>Journal of Applied Physics</i> , 1966 , 37, 2218-2224	2.5	42

2253	FLUX PINNING BY SUPERCONDUCTING PRECIPITATES. 1966 , 8, 319-320		68
2252	Magnetic Irreversible Solution of the Ginzburg-Landau Equations. 1966 , 151, 219-228		85
2251	Flux Trapping of rf Fields in Superconductors. 1966 , 148, 313-317		8
2250	Near-Surface Effects in Superconducting Niobium-Zirconium Alloys. <i>Journal of Applied Physics</i> , 1966 , 37, 3361-3366	2.5	21
2249	Parallel and Perpendicular Magnetic Transitions of Superconducting Films and Foils of Lead. 1966 , 16, 697-701		26
2248	Magnetization of Synthetic Filamentary Superconductors. A. The Dependence of Flux Jumping on Temperature and Magnetic Field Sweep Rate. <i>Journal of Applied Physics</i> , 1966 , 37, 516-524	2.5	21
2247	Pattern of Current Flow in Nonideal Type-II Superconductors in Longitudinal Magnetic Fields. I. 1966 , 143, 220-223		56
2246	Hysteresis in Superconductors. II. Experimental Tests for Critical States. 1967 , 160, 348-358		23
2245	Experimental Tests of the Critical-State Model for Hysteretic Superconductors. 1967 , 18, 206-209		4
2244	Hysteresis in Superconductors. I. Flux Trapping in Low- and High- T_c Materials. 1967 , 159, 296-300		13
2243	Studies of Surface Transport Currents in Type-II Superconductors; a Surface-Flux-Pinning Model. 1967 , 156, 403-411		89
2242	Nature of the ac Transition in the Superconducting Surface Sheath in Pb-2% In. 1967 , 155, 404-418		89
2241	Low-Frequency Permeabilities of a Superconductor due to Surface Currents. 1967 , 161, 417-422		21
2240	Magnetic Instabilities in Type-II Superconductors. 1967 , 161, 404-416		145
2239	Flux penetration and a.c. losses in superconducting niobium. 1967 , 18, 1237-1249		27
2238	Chapter IV Study of the Superconductive Mixed State by Neutron-Diffraction. 1967 , 161-180		16
2237	Magnetic investigations of the superconducting behaviour of sintered compacts of niobium and copper-niobium. 1967 , 12, 258-268		2
2236	Superconducting magnets. 1967 , 30, 561-614		74

2235	Superconducting Ultrahigh Q Tunable RE Preselector. 1967 , 9, 110-123		0
2234	Magnetic induction in type II superconductor tubes. 1967 , 25, 661-662		1
2233	Die Beobachtung magnetischer Strukturen von Supraleitern zweiter Art. 1967 , 20, 95-111		43
2232	Effect of Hcl on ac Losses in Niobium. 1967 , 23, K129-K132		2
2231	Mesure des pertes dans les supraconducteurs de deuxième espèce en courant alternatif. 1967 , 24, 574-575		5
2230	Flux jumps in type II superconductors. 1967 , 28, 2509-2524		80
2229	Irreversible magnetization in superconductors. 1967 , 28, 917-925		1
2228	50 c/s losses in coils made with superconducting wire. 1967 , 7, 26-32		4
2227	Influence of a static magnetic field on a.c. losses in a type II superconductor. 1968 , 27, 631-632		
2226	Dependence of the pinning force on magnetic fields in type II superconductors. 1968 , 6, 679-683		11
2225	AC Losses near the Lower Critical Field of Superconducting Niobium. 1968 , 28, K63-K65		5
2224	Flux pinning by grain boundaries in a type II superconductor. 1968 , 2, 141-143		14
2223	Magnetization of Synthetic Filamentary Superconductors. B. The Dependence of the Critical Current Density on Temperature and Magnetic Field. <i>Journal of Applied Physics</i> , 1968 , 39, 3406-3413	2.5	64
2222	Magnetic Transitions of Superconducting Thin Films and Foils. I. Lead. 1968 , 173, 481-493		102
2221	Alternating-Current-Induced Voltages in Superconducting Wires. 1968 , 165, 517-521		6
2220	Surface Power Loss of Alternating Current in Hard Superconducting Wire. 1968 , 7, 291-291		1
2219	Magnetic properties of superconducting alloy films. 1968 , 1, 699-714		
2218	Generalized critical-state model of type II superconductors. 1968 , 1, 1469-1476		49

2217	Surface structure and a.c. losses in superconductive niobium. 1968 , 1, 1477-1485		23
2216	The Pinning Frequency of Type II Superconductors. 1968 , 18, 237-250		24
2215	A Possible Source of Instability in Niobium Alloy Superconductors. 1968 , 18, 229-236		1
2214	Superconducting Metals in Porous Glass as Granular Superconductors. 1969 , 183, 525-528		41
2213	Magnetostriction Due to Surface Currents in Type-II Superconductors. 1969 , 22, 534-537		8
2212	AC Field-Induced Flux Jumps in Nb ₃ Sn. <i>Journal of Applied Physics</i> , 1969 , 40, 1809-1812	2.5	1
2211	Steady-State Flux Jumping in Superconducting Niobium Titanium Tubes in Superimposed ac and dc Magnetic Fields. <i>Journal of Applied Physics</i> , 1969 , 40, 2066-2070	2.5	1
2210	AC Energy Losses Above and Below H _{c1} in Niobium and Niobium-25 At.% Zirconium. <i>Journal of Applied Physics</i> , 1969 , 40, 2052-2059	2.5	22
2209	FLUX PINNING BY GRAIN BOUNDARIES IN SUPERCONDUCTING NIOBIUM-ZIRCONIUM ALLOYS. 1969 , 14, 250-252		17
2208	Superconductivity in Niobium Containing Ferromagnetic Gadolinium or Paramagnetic Yttrium Dispersions. <i>Journal of Applied Physics</i> , 1969 , 40, 3582-3587	2.5	35
2207	The response of pinned flux vortices to low-frequency fields. 1969 , 2, 1492-1501		316
2206	Correlation of superconducting and metallurgical properties of a Ti-20 at.% Nb alloy. 1969 , 19, 1223-1255		53
2205	The critical state in hysteretic superconductors. 1970 , 21, 1003-1026		11
2204	Losses due to moving fluxoids in superconductors. 1970 , 22, 583-599		1
2203	Voltages induced in superconductors by superimposed a.c. and d.c. magnetic fields. 1970 , 8, 1811-1814		12
2202	Effects of trapped flux on a c loss measurements in superconductors. 1970 , 10, 381-385		21
2201	Effects of thermal insulation on flux jumps in Nb-50% Ti rods. 1970 , 10, 306-313		27
2200	Examination of fluxon behaviour by analogy with a floating magnetic model. 1970 , 10, 491-497		25

2199	Critical Current and Magnetization of Homogeneous Type-II Superconductor in Longitudinal Static Magnetic Field. 1970 , 9, 625-630	3
2198	SURFACE EFFECTS AND LOW FREQUENCY LOSSES IN HARD SUPERCONDUCTORS. 1970 , 17, 204-205	23
2197	CRITICAL FIELD AND CRITICAL CURRENT OF PbBi ALLOYS IN POROUS GLASS. 1970 , 16, 428-430	8
2196	Rotational Hysteresis Loss in High-Field Superconductors. <i>Journal of Applied Physics</i> , 1970 , 41, 2482-2483.5	83
2195	The interaction distance between flux lines and pinning centres. 1971 , 4, 3186-3198	232
2194	The metallurgical enhancement of type II superconductors. 1971 , 34, 821-873	44
2193	Solid-state physicists and metallurgy. 1971 , 24, 44-48	2
2192	H[acaron]rtung von supraleitern durch versetzungen. 1971 , 23, 345-367	38
2191	Rectification effect in thin-film superconductors in small, oscillatory magnetic fields. 1971 , 4, 697-707	3
2190	Theory of thermal destruction of superconductivity by a current. 1971 , 5, 397-418	10
2189	Statistische Theorie der Haftkraft von Flußliniensystemen in harten Supraleitern. I. Eigenschaften des statistischen Kraftfeldes. 1971 , 44, 647-660	12
2188	On the Critical State in Hysteretic Low- T_c Type-II Superconductors. 1971 , 46, K77-K80	3
2187	Investigation of the mixed state using polarized neutrons. 1971 , 34, 35-36	1
2186	Critical current density of Pb-40% Bi alloys in porous glass. 1971 , 9, 1993-1995	3
2185	50 Hz losses in superconducting niobium-titanium. 1971 , 11, 55-56	2
2184	H[acaron]tung von supraleitern durch ausscheidungen. 1971 , 23, 369-392	20
2183	Low-Frequency Electromagnetic Losses at 4.2°K of Neutron-Irradiated Nb. <i>Journal of Applied Physics</i> , 1971 , 42, 16-21	2.5 27
2182	Threshold Currents of Large Cross-Section Superconductors. <i>Journal of Applied Physics</i> , 1971 , 42, 1040-1046	3

2181	High-Field Superconductivity of Alloys in Porous Glass. <i>Journal of Applied Physics</i> , 1971 , 42, 46-50	2.5	14
2180	Magnetic Flux Flow and Fluctuation Effects in Thin-Film Superconductors. <i>Physical Review B</i> , 1971 , 3, 735-741	3.3	9
2179	Theory of ac loss in type II superconductors in the Meissner state. 1971 , 4, 2833-2848		30
2178	Effect of hydrostatic pressure on some critical parameters of superconducting InBi alloy. 1972 , 2, 306-315		3
2177	Rotating fields and flux pinning. 1972 , 5, 2252-2265		14
2176	The determination of low-field critical current densities from magnetization data for Nb - 25% Zr. 1972 , 5, 628-638		13
2175	Phase Reversal and Modulated Flux Motion in Superconducting Thin Films. <i>Physical Review B</i> , 1972 , 6, 887-893	3.3	16
2174	Precipitates and fluxoid pinning in a superconducting Nb-Hf alloy. 1972 , 25, 303-320		19
2173	Critical-State Model of Bulk Flux Pinning in Pb ₀ Tl. <i>Journal of Applied Physics</i> , 1972 , 43, 615-624	2.5	11
2172	AC losses in reversible niobium. 1972 , 12, 129-133		2
2171	ac Response and losses of differently pinned type-II superconductors. 1972 , 7, 23-42		1
2170	Magnetic permeability of type-II superconductors. 1972 , 6, 1-33		20
2169	AC characteristics of nonuniform type-II superconductors in a static longitudinal magnetic field. 1972 , 92, 35-43		
2168	Superconductive dc transmission lines: design study study and cost estimates. 1973 , 13, 207-215		11
2167	DC magnetization measurements on pure niobium. 1973 , 13, 639-643		4
2166	Models of magnetic hysteresis in type II superconductors. 1973 , 13, 261-271		2
2165	Measurement of critical bulk and surface current densities in type-II superconductors in the mixed state. <i>Journal of Applied Physics</i> , 1973 , 44, 2391-2396	2.5	5
2164	Field distributions in the vicinity of a superconducting flux exclusion tube. <i>Journal of Applied Physics</i> , 1973 , 44, 460-464	2.5	4

2163	Magnetization of hysteretic superconductors for complete field penetration and a critical-state model with $J_c(H)=H$. <i>Journal of Applied Physics</i> , 1973 , 44, 1804-1809	2.5	17
2162	Temperature dependence of ac losses and self-field critical currents in Nb ₃ Sn. 1974 , 25, 756-758		27
2161	Flux kinetics and heat flow during flux jumps in type-II superconductors. <i>Journal of Applied Physics</i> , 1974 , 45, 403-409	2.5	9
2160	Effects of low-temperature fast-neutron irradiation on ac losses in NbTi. <i>Journal of Applied Physics</i> , 1974 , 45, 2724-2727	2.5	9
2159	Achievement of very high critical currents in type II superconductors. 1974 , 4, 136-153		12
2158	Low-loss niobium-tin compound for superconducting alternating-current power transmission applications. 1974 , 183, 952-4		41
2157	Magnetization of superconducting tape in a perpendicular field. 1974 , 14, 641-646		2
2156	Measurement of the temperature dependence of the 50 Hz alternating current losses of superconducting stabilized niobium conductors. 1974 , 14, 503-508		14
2155	Flux density distribution in low- T_c type II superconductors. 1974 , 15, 431-445		13
2154	Dynamics of Single Flux Lines in Superconducting Films by Vortex Microscopy Experiments. 1974 , 61, 215-222		21
2153	Measurement of magnetization in a superconducting tape in a perpendicular field and the model of magnetization. 1974 , 94, 14-20		
2152	Advances in superconductive magnets and materials. 1974 , 10, 239-259		13
2151	Note on the Flux Distribution in a Wire of Nonideal Type II Superconductor under a Longitudinal Magnetic Field and a Transport Current. <i>Journal of the Physical Society of Japan</i> , 1975 , 39, 581-587	1.5	19
2150	Electromechanical stresses in superconductors: An analysis using the critical state model. 1975 , 15, 649-656		2
2149	ac losses of V ₃ Ga tapes. 1975 , 15, 660-664		6
2148	Temperature rise in a superconducting cable during overload. 1975 , 15, 265-269		3
2147	A comparison of methods for measuring flux gradients in type II superconductors. 1975 , 19, 493-512		32
2146	Flux pinning by grain boundaries in anisotropic superconducting materials. 1975 , 72, 303-308		8

2145	A dynamic model for flux jumps in type-II superconductors. <i>Journal of Applied Physics</i> , 1975 , 46, 406-415	2.5	5
2144	Alternating field loss in a multifilament superconducting wire for weak ac fields superposed on a constant bias. <i>Journal of Applied Physics</i> , 1975 , 46, 4048-4052	2.5	31
2143	Spiral fluxlines in irreversible superconducting cylinders. 1975 , 5, 287-306		35
2142	Densities of states in isolated flux vortices in superconductors. 1975 , 5, 1726-1744		3
2141	The flux jump and critical state stability in superconductors. 1975 , 8, 1769-1782		14
2140	AC losses of Nb ₃ Sn. 1975 , 11, 324-327		35
2139	Critical current density in superconducting niobium films. 1975 , 11, 344-346		12
2138	Superconducting properties of Pb-Sn-In alloys directionally solidified aboard Skylab. 1975 ,		
2137	Determination, by neutron diffraction, of basic interaction forces for flux pinning in superconductors. 1976 , 33, 475-491		25
2136	The frequency dependence of a.c. losses in type II superconductors. 1976 , 33, 505-528		14
2135	Maximum persistent current of superconductors in AC magnetic field. 1976 , 96, 45-52		
2134	Experimental hysteretic loss for a series of superconducting filamentary NbTi wires and a field dependent critical state model. 1976 , 16, 271-280		7
2133	. 1976 , 9, 2281-2286		5
2132	On the flux jumps in hard superconductors. 1976 , 9, 279-290		4
2131	ac permeability of defect-free type-II superconductors. <i>Physical Review B</i> , 1976 , 14, 1893-1901	3.3	93
2130	Magnetic instabilities in superconducting composites. 1977 , 10, 1821-1831		5
2129	Preparation and superconducting properties of ultrafine powders and sintered compacts of NbC and NbN. <i>Journal of Applied Physics</i> , 1977 , 48, 788-794	2.5	25
2128	Flußerankerung in Supraleitern mit verschiedenen Hindernisanordnungen. 1977 , 36, 1171-1194		5

2127	Air force applications of lightweight superconducting machinery. 1977 , 13, 260-268		26
2126	Calculation of decrease in A.C. losses in wires of type II superconductors in longitudinal magnetic fields. 1977 , 13, 560-563		17
2125	AC losses of internally deposited Nb ₃ Ge films. 1977 , 13, 433-435		4
2124	The critical state stability. 1977 , 13, 574-577		2
2123	Hysteresis losses in superconducting coil. 1977 , 13, 556-559		
2122	Progress toward a practical Nb-Ge conductor. 1977 , 13, 300-306		34
2121	Temperature dependence of AC losses in CVD-prepared Nb ₃ Ge. 1977 , 13, 429-432		14
2120	Studies on flux jump of superconductor in magnetic field at slow sweep rate. 1977 , 97, 1-8		
2119	Peak-effekt in supraleitern mit regelmässig angeordneten ausscheidungen. 1977 , 25, 1459-1469		3
2118	Flux density gradients in superconductors: A comparison of experimental techniques. 1977 , 26, 533-544		6
2117	Hysteresis losses in superconductors of round cross-section with collective interaction. 1978 , 18, 93-99		23
2116	Power losses in hard superconductors: An analysis using the critical state model. 1978 , 14, 620-622		1
2115	Flux distribution and hysteresis loss in a round superconducting wire for the complete range of flux penetration. <i>Journal of Applied Physics</i> , 1979 , 50, 7060-7066	2.5	54
2114	Hysteretic effects in pulsed superconducting magnets. 1979 , 19, 217-224		3
2113	Definitions of terms for practical superconductors 3. fabrication, stabilization and transient losses. 1979 , 19, 327-332		8
2112	Application of flux trapping in hard superconductors to magnetic shielding and magnetic levitation. 1979 , 19, 702-704		5
2111	AC losses in "in-situ" Nb ₃ Sn-Cu composite conductors. 1979 , 15, 695-698		9
2110	Effect of trapped magnetic flux on ac losses of Nb ₃ Sn. 1979 , 15, 264-267		5

2109	The influence of thermally activated flux creep on the ac response of a hard superconductor. 1979 , 34, 33-52		7
2108	Critical-state model for the determination of critical currents in disk-shaped superconductors. <i>Journal of Applied Physics</i> , 1979 , 50, 5402	2.5	167
2107	Magnetic Behavior in Type II Superconductors under a Longitudinal Magnetic Field I. An Irreversible Force-Free Current. <i>Journal of the Physical Society of Japan</i> , 1979 , 47, 1069-1077	1.5	10
2106	The critical state stability and oscillations in hard superconductors. 1980 , 13, 1689-1698		11
2105	Effect of pressure on the transition temperature of In-impregnated porous glass. <i>Physical Review B</i> , 1980 , 21, 5185-5189	3.3	6
2104	Superconducting critical properties and AC losses in a large sample of in situ formed Cu-Nb ₃ Sn composite. 1980 , 36, 85-87		18
2103	In-situ formed multifilamentary composites part II: AC losses. 1981 , 17, 243-247		18
2102	Losses in superconducting multifilamentary Roebel bars. 1981 , 17, 2274-2277		5
2101	Trapezoidal ac magnetic fields: a powerful technique for the investigation of type II superconductors. 1981 , 21, 299-311		3
2100	Critical state stability in type-II superconductors and superconducting-normal-metal composites. <i>Reviews of Modern Physics</i> , 1981 , 53, 551-592	40.5	255
2099	On the theory of the training phenomenon in superconductors. 1981 , 14, 267-282		5
2098	Magnetic Instabilities in High Field Superconductors. 1981 , 20, 1559-1571		13
2097	AC Loss in Superconducting Wires in a Rotating Magnetic Field. I. Low-Frequency Loss in a Wire in a High Transverse Field. 1981 , 20, 277-285		4
2096	Dependence of AC loss in superconducting niobium above and below H _{c1} on surface and bulk condition. 1982 , 15, 129-144		
2095	Anisotropy of the Meissner effect and the diamagnetic shielding in (TMTSF) ₂ ClO ₄ . 1982 , 43, 711-717		8
2094	Experimental determination of pinning forces. 1982 , 53, 353-360		
2093	A computer approach to the nonlinear hysteretic problem of electromagnetic field computation in hard superconductors for loss evaluation. 1982 , 18, 567-572		6
2092	Minimum in AC losses of low bulk pinning Nb ₃ Sn. 1982 , 71, 357-364		6

2091	Low frequency AC losses in multifilamentary superconductors up to 15 tesla. 1983 , 19, 435-438		15
2090	Critical field measurements in superconductors using ac inductive techniques. 1983 , 54, 1191-1198		21
2089	Inductive technique for measuring critical current densities in thin-film superconductors. 1983 , 54, 16-20		
2088	Macroscopic and microscopic models of in situ superconductors. <i>Journal of Applied Physics</i> , 1983 , 54, 5911-5916	2.5	12
2087	Total flux measurements in bulk PbMo6S8. 1984 , 14, 473-488		3
2086	Metal/Langmuir-Blodgett/metal junctions using Pb?In superconducting electrodes. 1985 , 132, 63-68		27
2085	. 1985 , 21, 993-996		3
2084	NbTi wires with ultra-fine filaments for 50 - 60 Hz use: Influence of the filament diameter upon losses. 1985 , 21, 177-180		55
2083	On the theory of thermomagnetomechanical instability in hard superconductors. 1985 , 18, 111-119		
2082	ac losses in type-II superconductors in parallel magnetic fields. <i>Physical Review B</i> , 1985 , 32, 2909-2914	3.3	25
2081	Magnetic response of type-II superconductors subjected to large-amplitude parallel magnetic fields varying in both magnitude and direction. <i>Journal of Applied Physics</i> , 1985 , 58, 4326-4335	2.5	38
2080	Internal-magnetic-field distribution at the critical current of a type-II superconductor subjected to a parallel magnetic field. <i>Physical Review B</i> , 1986 , 33, 1601-1610	3.3	38
2079	Magnetic Hysteresis in La 1.85 Sr 0.15 CuO 4. 1987 , 4, 625-629		25
2078	Critical fields and the critical current density of La1.85Sr. <i>Physical Review B</i> , 1987 , 36, 4003-4006	3.3	93
2077	Experiments concerning the connective nature of superconductivity in YBa2Cu3O7. <i>Journal of Applied Physics</i> , 1987 , 62, 3308-3313	2.5	88
2076	Large anisotropic critical magnetization currents in single-crystal YBa2Cu3O7- delta. <i>Physical Review B</i> , 1987 , 36, 4021-4024	3.3	126
2075	Enhanced critical magnetization currents due to fast neutron irradiation in single-crystal YBa2Cu3O7- delta. <i>Physical Review B</i> , 1987 , 36, 7151-7154	3.3	276
2074	Aligned Sintered Compacts of RBa2Cu3O7 (R=Dy, Er, Eu, Gd, Ho, Y). 1987 , 99, 203		18

2073	Hysteresis loss of a round superconductor carrying a d.c. transport current in an alternating transverse field. 1987 , 27, 621-630		1
2072	High temperature superconductivity research at Argonne national laboratory. 1987 , 148, 167-172		
2071	Electrical and magnetic properties of the high-Tc oxide superconductor YBa ₂ Cu ₃ O ₇ . 1987 , 69, L215-L220		19
2070	Early superconductivity research (except Leiden). 1987 , 23, 371-375		3
2069	Design considerations for high Tc ceramic superconductors. 1988 , 28, 724-733		27
2068	Novel form of magnetometer using high temperature superconductors. 1988 , 28, 691-693		15
2067	Optimization of the specific heat jump at T _c and magnetic properties of the superconductor YBa ₂ Cu ₃ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 152, 50-64	1.3	112
2066	Flux profiles in bulk DyBa ₂ Cu ₃ O ₇ at 4.2 and 77 K. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 318-319	1.3	5
2065	Effect of particle size on the magnetization of high Tc powders. 1988 , 28, 678-680		5
2064	Magnetic measurements of critical currents in high Tc superconductors. 1988 , 28, 688-690		3
2063	Magnetic field alignment of high-T c superconductors RBa ₂ Cu ₃ O ₇ (R=rare earth). 1988 , 47, 105-110		58
2062	Superconductivity in Yba ₂ Cu ₃ O ₇ in a 100 tesla magnetic field. 1988 , 332, 816-818		17
2061	Bean model extended to magnetization jumps. 1988 , 131, 131-134		
2060	Determination of shielding current density in bulk cylindrical samples of high-Tc superconductors from AC susceptibility measurements. 1988 , 66, 645-649		108
2059	Magnetic studies on the superconducting oxide ErBa ₂ Cu ₃ O ₇ . 1988 , 65, 581-584		3
2058	Microwave study of the critical state in high-Tc superconductors. 1988 , 65, 1153-1156		127
2057	Ultra-low field magnetic studies of ceramic superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 1501-1502	1.3	1
2056	Weak links and the poor transport critical currents of the 123 compounds. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 1580-1585	1.3	54

2055	Effects of irradiation [fast neutrons and implantation on sintered YBaCuO superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 347-348	1,3	12
2054	Growth of single crystals of high T _c superconducting YBa ₂ Cu ₃ O ₇ - <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 427-428	1,3	6
2053	Hysteresis losses of fine filamentary superconductors including field dependent critical current density. 1988 , 38, 899-909		6
2052	Lower critical field and magnetization critical current density in the oxide superconductor TmBa ₂ Cu ₃ O ₇ . 1988 , 71, L241-L245		3
2051	Anomalous magnetic hysteresis loops and small H _{c1} values in high T _c superconductors. 1988 , 30, L167-L171		9
2050	Do we really need a superconducting glass model?. 1988 , 31, L141-L145		15
2049	Low field anomaly in magnetization curves. 1988 , 31, 505-512		4
2048	Measurement and understanding of magnetization in AC and DC fields and the determination of intragrain H _{c1} in high T _c RBa ₂ Cu ₃ O ₇ superconductors. 1988 , 30, 569-595		38
2047	Energy loss mechanisms of superconductors used in alternating-current power transmission systems. 1988 , 242, 391-9		20
2046	Critical current and resistivity measurements in a ceramic superconductor. 1988 , 21, L673-L677		30
2045	New critical-state model for critical currents in ceramic high-T _c superconductors. <i>Physical Review B</i> , 1988 , 38, 11391-11404	3,3	239
2044	Comment on "Flux trapping and superconductive glass state in La ₂ CuO. 1988 , 60, 1884		5
2043	Upper critical magnetic fields of pure and thoriated UBe ₁₃ . <i>Physical Review B</i> , 1988 , 38, 2934-2937	3,3	11
2042	Investigation of harmonic generation in the alternating magnetic response of superconducting Y-Ba-Cu-O. 1988 , 53, 2680-2682		89
2041	Magnetic relaxation and the lower critical fields in a Y-Ba-Cu-O crystal. <i>Physical Review B</i> , 1988 , 38, 11828-11831		199
2040	Constricted diamagnetic hysteresis loops observed for the high T _c superconductors. <i>Journal of Applied Physics</i> , 1988 , 63, 4179-4181	2,5	15
2039	Hysteresis model for polycrystalline high-T _c superconductors. <i>Journal of Applied Physics</i> , 1988 , 64, 5899-5901		19
2038	Flux penetration profiles in powdered DyBa ₂ Cu ₃ O ₇ . 1988 , 52, 590-591		33

2037	Reproducible sputtering and properties of Y-Ba-Cu-O films of various thicknesses. <i>Journal of Applied Physics</i> , 1988 , 64, 6388-6391	2.5	41
2036	Flux lattice melting in high-T _c superconductors. 1988 , 21, L1173-L1177		24
2035	Transport and magnetic measurements on Bi _{2+x} Ca _{1-x} Sr ₂ Cu ₂ O _{8+δ} 1988 , 21, L529-L534		5
2034	Hysteresis losses in superconductors with very fine filaments. <i>Superconductor Science and Technology</i> , 1988 , 1, 53-56	3.1	45
2033	Nonlinear Microwave Effects in High- T _c Superconductors. 1988 , 7, 185-189		9
2032	Possibility of HighT _c Superconducting Thin Films in Magnetic Application. 1988 , 27, 1646-1651		13
2031	Magnetization and Critical Current Density of High-T _c Superconductors ABa ₂ Cu ₃ O _{7-x} (A=Y, Eu, Gd, Dy, Er) in Pulsed High Magnetic Fields. <i>Journal of the Physical Society of Japan</i> , 1988 , 57, 2476-2481	1.5	9
2030	Modifications des propriétés supraconductrices et normales des nouveaux oxydes supraconducteurs YBa ₂ Cu ₃ O _{7-δ} et Bi ₂ Sr ₂ CaCu ₂ O ₈ par bombardement ionique de forte énergie. 1989 , 24, 507-512		7
2029	Microstructure and properties of superconducting sputter deposited YBa ₂ Cu ₃ O _{7-δ} films. 1989 , 4, 257-266		19
2028	Flux pinning by precipitates in the Bi-Sr-Ca-Cu-O system. <i>Physical Review B</i> , 1989 , 40, 5255-5258	3.3	79
2027	Increased flux pinning upon thermal-neutron irradiation of uranium-doped YBa ₂ Cu ₃ O ₇ . <i>Physical Review B</i> , 1989 , 40, 2163-2169	3.3	65
2026	Temperature dependence of lower critical fields in Y-Ba-Cu-O crystals. <i>Physical Review B</i> , 1989 , 39, 2936-2939	3.3	223
2025	Scaling of critical current density in field-aligned grains of (Tl _{0.75} Bi _{0.25}) _{1.33} Sr _{1.33} Ca _{1.33} Cu ₂ O _{6.67+δ} in the Tl ₂ Bi phase. <i>Journal of Applied Physics</i> , 1989 , 65, 3574-3578	2.5	7
2024	Magnetic relaxation and critical current density limited by flux creep in Bi _{1.6} Pb _{0.4} Sr _{1.6} Ca ₂ Cu _{2.8} O _x (T _c =115 K) and YBa ₂ Cu ₃ O _{7-x} (T _c =92 K). <i>Physical Review B</i> , 1989 , 40, 5165-5168	3.3	35
2023	Nonlinear electrodynamics in the granular superconductor YBa ₂ Cu ₃ O ₇ : Experiments and interpretation. <i>Physical Review B</i> , 1989 , 39, 11526-11537	3.3	58
2022	Lattice defects and flux pinning in crystallized metal-oxide glasses in the Bi-Sr-Ca-Cu-O system. 1989 , 55, 1354-1356		23
2021	Critical-current measurements of high-T _c superconductors using a transformer technique. <i>Journal of Applied Physics</i> , 1989 , 66, 5518-5522	2.5	16
2020	Magnetic and resistive measurements of the superconducting critical fields of melt-cast Ba _{0.65} K _{0.35} BiO ₃ . <i>Physical Review B</i> , 1989 , 40, 9400-9403	3.3	40

2019	Scaling properties of the irreversible magnetization curves of high-temperature superconductors. <i>Physical Review B</i> , 1989 , 40, 2701-2703	3.3	24
2018	Critical state in disk-shaped superconductors. <i>Physical Review B</i> , 1989 , 40, 9350-9353	3.3	316
2017	Large magnetic hysteresis in a melt-textured Y-Ba-Cu-O superconductor. 1989 , 54, 584-586		143
2016	Microwave absorption of a superconducting lead sphere. <i>Physical Review B</i> , 1989 , 39, 4666-4669	3.3	10
2015	Magnetic hysteresis of YBa ₂ Cu ₃ O _{7-x} single crystals in very high magnetic fields above 100 T. 1989 , 63, 97-100		37
2014	Anisotropic critical currents in Ba ₂ YCu ₃ O ₇ analyzed using an extended Bean model. 1989 , 55, 283-285		751
2013	Extension of Bean's model for high-T _c superconductors. <i>Physical Review B</i> , 1989 , 39, 4704-4707	3.3	111
2012	Modifications of the physical properties of the high-T _c superconductors YBa ₂ Cu ₃ O _{7-δ} (0.1 . <i>Physical Review B</i> , 1989 , 39, 6549-6554	3.3	121
2011	Magnetization of imperfect superconducting grains. <i>Physical Review B</i> , 1989 , 40, 2678-2681	3.3	10
2010	Physical Properties of the New Superconductors. 1989 , 42, 91-134		165
2009	The ac Magnetic Response of Superconducting YBa ₂ Cu ₃ O _{7-x} . 1989 , 28, 330-333		7
2008	Enhancement of Critical Magnetization Current by the Electron Irradiation in Ba ₂ YCu ₃ O ₇ Superconductor. 1989 , 28, L807-L809		23
2007	Inter- and intragrain critical currents in a dense YBa ₂ Cu ₃ O ₇ ceramic. <i>Superconductor Science and Technology</i> , 1989 , 2, 164-168	3.1	1
2006	Magnetisation of YBaCuO and Pb-substituted BiSrCaCuO. <i>Superconductor Science and Technology</i> , 1989 , 2, 261-264	3.1	1
2005	Flux-lattice melting and flux creep in a high-T _c superconductor. 1989 , 1, 8945-8960		9
2004	An investigation of the superconducting properties of the system Bi-Sr-Ca-Cu-O. <i>Superconductor Science and Technology</i> , 1989 , 1, 329-332	3.1	4
2003	Third-Harmonic Susceptibility in Single-Crystal YBa ₂ Cu ₃ O _{7-x} Thin Films. 1989 , 28, L1568-L1570		15
2002	Magnetisation and critical current density in Y-Ba-Cu-O in low magnetic fields. 1989 , 22, 1523-1527		4

2001	Enhanced Critical Magnetization Currents due to Electron Irradiation in High-TcOxide Superconductors. 1989 , 28, L766-L768		18
2000	The kink point method and bismuth based high temperature superconductors. 1989 , 78, L13-L17		6
1999	Magnetization and magnetic suspension of YBa ₂ Cu ₃ O _x -AgO ceramic superconductors. 1989 , 78, 19-30		25
1998	Thermomagnetic history effects in niobium and its implication for H _{c1} in high T _c superconductors. 1989 , 33, 297-313		15
1997	Magnetization curves of hard superconductor samples with non-zero demagnetization factor. 1989 , 33, 521-540		23
1996	Thermally activated flux motion in high-T _c superconductors: An analytical model. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 157, 199-208	1.3	108
1995	Texture processing of bulk YBa ₂ Cu ₃ O _{6+x} by zone melting. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 161, 198-204	1.3	55
1994	Superconducting properties and flux pinning in Bi Sr Ca Cu O system. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 927-928	1.3	2
1993	Comparative study between the electric and magnetic properties and the grain boundary structure of YBa ₂ Cu ₃ O _{7-x} /Ag ₂ O superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 1179-1180	1.3	4
1992	Time-decay of magnetisation in high T _c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 347-348	1.3	7
1991	Investigation of the magnetic properties of BiSrCaCuO superconductor. 1989 , 71, 173-175		2
1990	A.c. susceptibility and intergranular critical current density of high T _c superconductors. 1989 , 29, 800-808		172
1989	Electromagnetic properties of ultra-fine filamentary superconductors. 1989 , 29, 304-311		24
1988	Diamagnetism and critical currents of Bi ₂ Ca ₂ Sr ₂ Cu ₂ O samples. 1989 , 29, 379-383		7
1987	. 1989 , 25, 896-898		20
1986	. 1989 , 25, 1692-1697		9
1985	. 1989 , 25, 2109-2112		4
1984	. 1989 , 25, 2279-2281		1

1983	The critical density throughout the superconducting phase of multifilamentary Nb/sub 3/Sn wire for forced flow fusion applications measured using the Bean-Campbell AC magnetization technique. 1989 , 25, 2382-2385		1
1982	. 1989 , 25, 2390-2393		1
1981	. 1989 , 25, 2491-2497		5
1980	A.c. losses in superconducting ternary and quaternary Laves phase compounds. 1989 , 29, 119-123		2
1979	Magnetic properties of YBaCuO and BiSrCaCuO crystals: a comparative study of flux creep and irreversibility. 1989 , 29, 258-262		152
1978	Y-Sm twinned and untwinned high temperature superconductors: a comparative study. 1989 , 29, 350-354		4
1977	Microwave studies of intergranular magnetic flux. 1989 , 29, 397-398		3
1976	Critical state model and the magnetic behaviour of high Tc superconductors. 1989 , 29, 907-914		36
1975	Magnetic measurements of high Tc superconductors in megagauss fields. <i>Physica B: Condensed Matter</i> , 1989 , 155, 156-159	2.8	5
1974	Nonlinear microwave response in field-cooled high-Tc and type II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 159, 769-776	1.3	31
1973	Specific heat (1B30 K), Meissner effect and magnetic susceptibility of Tl2Ba2Ca2Cu3O10, Tl2Ba2CaCu2O8 and Tl2Ba2CuO6 ceramic samples. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 159, 215-225	1.3	51
1972	Temperature dependence of flux pinning in YBa2Cu3Ox. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 160, 417-423	1.3	18
1971	Morphology control and high critical currents in superconducting thin films in the Tl-Ca-Ba-Cu-O system. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 160, 42-48	1.3	69
1970	Flux creep and related phenomena in high temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 1148-1151	1.3	10
1969	Effects of shock-induced defects on flux pinning in YBa 2 Cu 3 O 7. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 1263-1264	1.3	5
1968	Non-linearity of the YBa 2 Cu 3 O 7-low field diamagnetic properties: Multi-harmonic analysis.. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 325-326	1.3	6
1967	Low field investigations of single crystal Bi(2212) - DC Magnetization. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 341-342	1.3	
1966	Study of flux flow in high T c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 681-682	1.3	11

1965	Scaling of the irreversible magnetization curves of YBaCuO. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 697-698	1.3	1
1964	Magnetisation hysteresis and critical current density. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 159, 570-576	1.3	66
1963	Frequency dependence of magnetic hysteresis in the field-induced microwave absorption in high T _c superconductors at T \approx T _c . 1989 , 136, 499-502		10
1962	The higher harmonics of magnetization in the critical state of ceramic high-T _c superconductors. 1989 , 141, 85-88		12
1961	Hysteresis of microwave absorption of hard superconductors in magnetic field. 1989 , 69, 611-614		28
1960	Fast inductive method for determination of macroscopic critical current density in bulk high-T _c superconductors. 1989 , 70, 879-883		13
1959	Flux creep and pinning-potential in an Y1Ba2Cu3O7 thin film. 1989 , 72, 871-874		21
1958	AC susceptibility of sintered high T _c superconductors [Bean's model and shielding current. 1989 , 69, 367-371		69
1957	Magnetic properties of YBa1.5Ca0.5Cu3O7 superconductor. 1989 , 72, 1203-1205		
1956	Microwave absorption by a long Josephson junction in magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 159, 337-346	1.3	3
1955	Magnetic and superconducting properties of the electron-doped compounds Ln ₂ MxCuO ₄ (Ln = Pr, Nd, Sm, Eu, Gd; M = Ce, Th). <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 159, 391-403	1.3	125
1954	Magnetization curves and Bean's model in high-T _c superconductors. 1989 , 2, 247-251		4
1953	Critical current in YBa2Cu3O7 ceramics. 1989 , 74, 277-291		4
1952	Flux pinning and twin boundaries in YBa2Ca3O7-x. <i>Superconductor Science and Technology</i> , 1989 , 2, 255-260		14
1951	Critical currents in high-quality YBaCuO ceramics investigated by magnetization, a.c. susceptibility and electrical transport. 1989 , 151, 89-96		19
1950	Magnetization and hysteresis properties of superconducting YBa2Cu3O7 thin films. 1989 , 151, 369-375		4
1949	4f Electron effects in high T _c RBa2Cu3O7 (R = rare earth) superconductors. 1989 , 149, 405-425		67
1948	Critical-state model for harmonic generation in high-temperature superconductors. <i>Physical Review B</i> , 1989 , 40, 10936-10945	3.3	227

1947	Theory of collective flux creep. 1989 , 63, 2303-2306	1006
1946	Grain-growth enhancement in the YBa ₂ Cu ₃ O ₇ superconductor by silver-oxide doping. 1989 , 7, 363-366	91
1945	Kim model for magnetization of type-II superconductors. <i>Journal of Applied Physics</i> , 1989 , 66, 2489-2500.5	565
1944	Time-decay of magnetisation in high-T _c superconductors. 1989 , 19, 37-48	16
1943	Significantly Enhanced Flux-Pinning in Y-Ba-Cu-O by Simple Processing. 1989 , 169, 919	1
1942	Dissipative Effects of Vortex Movements in YBa ₂ Cu ₃ O ₇ Measured by Magneto-thermal Effects. 1989 , 169, 935	
1941	Harmonic Generation in the Alternating Magnetic Response of High-Temperature Superconductors. 1989 , 169, 943	
1940	Some Physical Properties of Suspendable Superconducting 123-Ag Composites. 1989 , 169, 967	
1939	Magnetic properties of high T _c superconducting oxides. 1990 , 102, 337-345	1
1938	Indium-Impregnated Porous Glass: Magnetotransport and Superconducting Transition. 1990 , 195, 397	1
1937	Effect of Praseodymium and Uranium Addition on the J _c of Ba ₂ YCu ₃ O ₇ . 1990 , 73, 3698-3699	0
1936	. 1990 , 26, 297-298	2
1935	The flux distribution and hysteresis losses in high T _c superconductors including viscous forces on flux lines. 1990 , 40, 556-568	1
1934	High T _c superconductors and critical current measurement. 1990 , 30, 667-677	42
1933	Harmonic generation by field modulation of the microwave complex impedance of high-T _c superconductors. 1990 , 168, 353-366	8
1932	The influence of fast neutron irradiation on the intra- and intergrain properties of the polycrystalline BiPbSrCaCuO system. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 170, 333-342 ^{1,3}	23
1931	Texture processing of extruded YBa ₂ Cu ₃ O _{6+x} wires by zone melting. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 165, 480-484	1.3 98
1930	Magnetic relaxation and flux pinning in zone melt textured YBa ₂ Cu ₃ O _{6+x} . <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 171, 174-180	1.3 8

1929	Hysteretic loss in hard superconductor samples with non-zero demagnetization factor. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 166, 1-8	1.3	16
1928	Grain size dependence of hysteresis loops by AC low magnetic field measurements in YBa ₂ Cu ₃ O _{7-x} ceramics. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 167, 591-597	1.3	28
1927	Magnetic Properties of YBa ₂ (Cu _{1-x} Ni _x) ₃ O ₇ 1990 , 119, 271-278		2
1926	Effect of heat treatment on the magnetization of lead-substituted BiSrCaCuO. 1990 , 9, 88-90		3
1925	Correlation between magnetic hysteresis and magnetic relaxation in YBaCuO single crystals. 1990 , 78, 179-186		73
1924	Synthesis of high critical current YBa ₂ Cu ₄ O ₈ submicron powders at one atmosphere pressure by the citrate-gel process. <i>Physica B: Condensed Matter</i> , 1990 , 165-166, 1667-1668	2.8	4
1923	Anisotropic current flow and demagnetization corrections in the Bean model. 1990 , 30, 650-655		66
1922	Harmonic generation in TlBa ₂ Ca ₃ Cu ₄ O _y superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 170, 395-404	1.3	25
1921	AC susceptibility of grains and matrix for high-T _c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 168, 652-667	1.3	79
1920	Flux pinning effect in Y-123 superconductor containing. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 168, 185-188	1.3	7
1919	Factors affecting critical currents determined by the transformer method for the YBa ₂ Cu ₃ O _y high-T _c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 169, 303-313	1.3	26
1918	Magnetic flux inhomogeneity in ceramic YBa ₂ Cu ₃ O _{7-x} superconductors studied by EPR. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 170, 166-174	1.3	18
1917	Field-modulated microwave absorption in granular superconductors: First and second harmonic signals. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 169, 95-99	1.3	26
1916	Zone melt texturing of YBa ₂ Cu ₃ O _{6+x} with silver additions. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 167, 343-347	1.3	39
1915	Synthesis and properties of the YBa ₂ Cu ₄ O ₈ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 165, 415-418	1.3	98
1914	Calculations of magnetic relaxation in type-II superconductors based on various critical-state models. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 168, 303-308	1.3	18
1913	Growth of epitaxial Ba ₂ YC ₃ O _{7-x} films on LaAlO ₃ (001). <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 172, 282-286	1.3	32
1912	Magnetic flux penetration into Josephson networks in a critical state. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 172, 352-360	1.3	9

1911	Influence of sintering temperature on the superconducting properties of YBa ₂ Cu ₃ O _{7-x} . <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 167, 495-502	1.3	12
1910	YBa ₂ Cu ₃ O ₇ low field diamagnetic properties. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 167, 549-559	1.3	22
1909	Critical current densities of superconducting YBa ₂ Cu ₄ O ₈ synthesised by the citrate gel process. 1990 , 76, 1185-1188		11
1908	Frequency dependence of flux profile in ceramic superconductors. 1990 , 73, 759-761		5
1907	Measurement of higher multipole moments of an inhomogeneous state of a superconductor. 1990 , 76, 175-179		6
1906	Effects of intergrain and intragrain currents on flux profile in granular superconducting ceramics. 1990 , 76, 785-788		11
1905	Magnetic Properties of High-Tc Bi _{1.4} Pb _{0.6} Ca ₂ Sr ₂ Cu ₃ O _y Superconductor. 1990 , 29, 1259-1260		4
1904	Preparation and characterisation of PbSr(YCa)CuO superconducting crystals. <i>Superconductor Science and Technology</i> , 1990 , 3, 370-372	3.1	10
1903	Influence of viscous flux flow on AC magnetisation of high-Tc superconductors. <i>Superconductor Science and Technology</i> , 1990 , 3, 94-99	3.1	24
1902	Measurement of Surface Magnetic Field of Superconductor by Magnetic Resonance. 1990 , 29, 268-269		8
1901	The Effect of Magnetic Field on the Critical Current of YBa ₂ Cu ₃ O _x Ceramics. 1990 , 29, L760-L762		10
1900	Penetration of time-varying fields into high-temperature superconductors. <i>Superconductor Science and Technology</i> , 1990 , 3, 93-93	3.1	13
1899	Nonlinear magnetization of Y-Ba-Cu-O crystals. <i>Physical Review B</i> , 1990 , 41, 869-872	3.3	40
1898	Increase in the flux-pinning energy of YBa ₂ Cu ₃ O ₇ by shock compaction. 1990 , 56, 2042-2044		46
1897	Effect of a geometrical length scale on remanent magnetization and critical currents in Y-Ba-Cu-O and Bi-Sr-Ca-Cu-O crystals. <i>Physical Review B</i> , 1990 , 42, 6322-6331	3.3	38
1896	Levitation Stability Of Superconducting Rings In A Central Magnetic Field.		0
1895	Remanent nonlinear magnetic response in superconducting Y-Ba-Cu-O. 1990 , 57, 724-726		14
1894	Generalized critical-state model for hard superconductors. <i>Physical Review B</i> , 1990 , 42, 10773-10776	3.3	104

1893	Microwave surface resistance and vortices in high-T _c superconductors: Observation of flux pinning and flux creep. <i>Physical Review B</i> , 1990 , 42, 4838-4841	3-3	57
1892	Temperature dependence of anisotropic lower critical fields in (La _{1-x} Sr _x) ₂ CuO ₄ . <i>Physical Review B</i> , 1990 , 41, 4823-4826	3-3	73
1891	Nonlinear electrodynamics in granular YBa ₂ Cu ₃ O ₇ : Measurements and models of complex permeability. <i>Physical Review B</i> , 1990 , 42, 4846-4849	3-3	49
1890	Third harmonics in the minor loop of a sintered Y-Ba-Cu-O superconducting disk and its dc-field dependence. <i>Journal of Applied Physics</i> , 1990 , 67, 4539-4541	2-5	
1889	Flux-line-cutting effects at the critical current of cylindrical type-II superconductors. <i>Physical Review B</i> , 1990 , 42, 4100-4104	3-3	20
1888	Texture growth processing of plasma-sprayed Y-Ba-Cu-O superconducting deposits. 1990 , 57, 2495-2497		8
1887	Diaphragm magnetometer for dc measurements in high magnetic fields. 1990 , 61, 848-851		13
1886	Temperature and field dependence of magnetic relaxation in a Bi ₂ Sr ₂ CaCu ₂ O _x single crystal. <i>Physical Review B</i> , 1990 , 42, 2062-2065	3-3	54
1885	Vortex-persistent current interaction, Meissner effect, and diamagnetic shielding in a ring of YBa ₂ Cu ₃ O ₇ . <i>Physical Review B</i> , 1990 , 41, 6466-6478	3-3	12
1884	High transport critical currents and flux jumps in bulk YBa ₂ Cu ₃ O _x superconductors. 1990 , 56, 2675-2677		40
1883	Superconducting hysteresis and the Preisach model. <i>Journal of Applied Physics</i> , 1990 , 67, 5466-5468	2-5	35
1882	Anisotropic magnetic relaxation, hysteresis, and Meissner fraction in untwinned single-crystal YBa ₂ Cu ₃ O _{7-δ} produced without applying stress. <i>Physical Review B</i> , 1990 , 41, 6532-6540	3-3	24
1881	Optimization of annealing parameters for the growth of epitaxial Ba ₂ YCu ₃ O _{7-x} films on LaAlO ₃ (100). <i>Journal of Applied Physics</i> , 1990 , 68, 6353-6360	2-5	72
1880	Magnetic properties of polycrystalline Ba _{0.5} K _{0.5} BiO ₃ . <i>Physical Review B</i> , 1990 , 42, 2551-2553	3-3	5
1879	50 Hz current-dependent losses of Bi ₂ Sr ₂ Ca ₁ Cu ₂ O _{8+x} /Ag wires. 1990 , 57, 192-194		7
1878	Enhanced flux pinning by phase decomposition in Y-Ba-Cu-O. 1990 , 56, 1287-1289		109
1877	Formation of oriented high T _c superconducting Bi-Sr-Ca-Cu-O thin films on silver substrates by organometallic chemical vapor deposition. 1990 , 56, 976-978		28
1876	Magnetization and ac-loss characteristics of YBa ₂ (Cu _{1-x} Fex) ₃ O ₇ superconductors. <i>Journal of Applied Physics</i> , 1990 , 67, 5461-5462	2-5	1

1875	Comparison between conventional flux creep in constant magnetic field and the effect of creep on the shape of magnetic hysteresis loops in high-Tc superconductors. <i>Superconductor Science and Technology</i> , 1990 , 3, 598-601	3.1	31
1874	Stoichiometric effects in epitaxial Ba ₂ Y _{1-x} Cu _{3-x} O ₇ thin films on LaAlO ₃ (100). 1990 , 5, 2797-2801		40
1873	The Magnetic Phase Diagram of High Tc Superconductors. 1990 , 15, 50-54		23
1872	Surface resistance measurement of superconducting YBa ₂ Cu ₃ O ₇ in a magnetic field. 1990 , 5, 1599-1604		9
1871	Exponential critical-state model for magnetization of hard superconductors. <i>Journal of Applied Physics</i> , 1990 , 67, 3430-3437	2.5	83
1870	Diamagnetic properties of the organic superconductor κ (BEDT-TTF) ₂ Cu(NCS) ₂ . 1990 , 36, 27-33		3
1869	Fundamental and harmonic susceptibilities of YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 1990 , 41, 8937-8948	3.3	237
1868	High critical current density in grain-oriented bulk YBa ₂ Cu ₃ O _x processed by partial melt growth. 1990 , 57, 2606-2608		35
1867	Bean's, Kim's, and exponential critical-state models for high-Tc superconductors. <i>Physical Review B</i> , 1990 , 41, 9510-9512	3.3	66
1866	Thermal fluctuations of vortex lines, pinning, and creep in high-Tc superconductors. <i>Physical Review B</i> , 1990 , 41, 8986-8990	3.3	314
1865	Critical currents and lower critical fields in YBa ₂ (Cu _{1-x} Fex) ₃ O ₇ . 1990 , 42, 109-114		
1864	Influence of annealing under oxygen on the chemical and superconducting properties of YBa ₂ Cu ₃ O _x single crystals. 1990 , 164-165, 208-214		12
1863	Crystal growth and anisotropic properties of textured Bi-Sr-Ca-Cu-O samples. 1990 , 164-165, 526-535		2
1862	Microwave absorption, surface resistance and magnetization: Comparative studies of YBa ₂ Cu ₃ O ₇ thin films. 1990 , 164-165, 1252-1260		7
1861	Magnetic properties and remanent magnetization studies of YBa ₂ Cu ₃ O ₇ thin films. 1990 , 164-165, 1285-1291		10
1860	Temperature dependent pinning mechanisms in ceramic YBa ₂ Cu ₃ O ₇ . 1990 , 164-165, 1323-1329		
1859	A.c. characterization of pyrosol and C.V.D. made high Tc materials. 1990 , 164-165, 1393-1399		9
1858	High-field magnetization of YBa ₂ Cu _{3-x} M _x O ₇ (M=Pb, Sn) at 4.2 K. 1991 , 177, 331-336		1

1857	Influence of cobalt substitution on critical currents of YBa ₂ Cu ₃ O _{7-δ} . 1991 , 59, 1386-1388		16
1856	Flux pinning and flux creep in uranium-doped (Bi, Pb)-Sr-Ca-Cu-O superconducting powders after thermal-neutron irradiation. 1991 , 27, 1375-1378		16
1855	Evidence for individual vortex pinning in ceramic YBa ₂ Cu ₃ O _{7-δ} . 1991 , 58, 528-530		8
1854	Effect of density, magnetic field modulation and magnetic field penetration depth on the microwave absorption properties of YBa ₂ Cu ₃ O _{7-δ} superconductors. 1991 , 87, 3687-3694		5
1853	Magnetisation measurements on melt-textured YBa ₂ /sub 2/Cu/sub 3/O/sub 7- delta /. 1991 , 27, 1503-1505		
1852	Calculations of the dimensional dependence of the critical state in disk-shaped superconductors. <i>Physical Review B</i> , 1991 , 43, 402-407	3-3	150
1851	Synthesis under ambient pressure of 80 K superconducting YBa ₂ Cu ₄ O ₈ powders via coprecipitation. 1991 , 58, 2426-2428		13
1850	Intergranular phases in cyclically annealed YBa ₂ Cu ₃ O _{7-δ} : Implications for critical current densities. 1991 , 168, 1-17		2
1849	A contactless method for measurement of the critical current density and critical temperature of superconducting films. 1991 , 62, 996-1004		305
1848	Dislocations and Flux Pinning in YBa ₂ Cu ₃ O _{7-δ} . 1991 , 253, 427-9		91
1847	Calculations of remanent magnetization for hard superconductors in various critical-state models. <i>Physical Review B</i> , 1991 , 44, 2713-2720	3-3	19
1846	AC susceptibility of high temperature superconductor in BCS model. 1991 , 78, 615-619		2
1845	Effects on T _c and J _c in the (Tl _{0.5} Pb _{0.5})Sr ₂ CaCu ₂ O _y superconductor of partial doping of Ca sites by natural mischmetal oxides. 1991 , 77, 53-55		1
1844	Scaling behavior in the irreversibility of Tl ₂ Ba ₂ Ba ₂ Ca ₂ Cu ₃ O ₁₀ superconductors investigated through microwave absorption. 1991 , 79, 259-263		6
1843	An exposition of inhomogeneous magnetic states in type I and type II superconductors by squid magnetometry. 1991 , 77, 723-728		14
1842	Critical current density measurements of YBa ₂ Cu ₃ O _{7-δ} thin films by non-resonant r.f. absorption method. 1991 , 79, 713-716		9
1841	Frequency dependent susceptibility of polycrystalline Bi _{0.7} Pb _{0.3} SrCaCu ₂ O _x . 1991 , 77, 265-268		3
1840	Effect of the annealing temperature and Ag addition on the grain size of YBa ₂ Cu ₃ O _{6.9} . 1991 , 78, 717-721		11

1839	Low frequency magnetic measurements on high-Tc superconducting materials. 1991 , 174, 299-320		7
1838	Magnetic properties of melt-processed YBa ₂ Cu ₃ O ₇ \square 1991 , 8, 309-314		
1837	The critical current and magnetization anisotropy in TmBa ₂ Cu ₃ O _x and Bi ₂ Sr ₂ CaCu ₂ O _y single crystals. <i>Physica B: Condensed Matter</i> , 1991 , 169, 651-652	2.8	
1836	Superconducting properties of high-Tc Bi _{1.6} Pb _{0.4} Ca ₂ Sr ₂ Cu ₃ O _y superconductor. <i>Physica B: Condensed Matter</i> , 1991 , 169, 657-658	2.8	3
1835	Polarized-neutron studies of magnetic field distributions in La-Sr-Cu-O superconductors. <i>Physica B: Condensed Matter</i> , 1991 , 174, 354-359	2.8	4
1834	Analysis of the low field critical state in ceramic high-Tc superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 181, 385-391	1.3	17
1833	Modulation technique for measuring critical current density in single crystals of high-Tc superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 178, 89-92	1.3	1
1832	Influence of composition and long term annealing on the weak link behaviour of the high-Tc superconductor (Bi, Pb) _{2+x} Sr _{2-y} Ca _{2+y} Cu _{3+z} O _{10+□} <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 178, 203-212	1.3	21
1831	The origin of the low field peak in the hysteresis cycle of high-Tc oxides and the influence of magnetic pinnings. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 175, 202-214	1.3	32
1830	Flux trapping in transport measurements of YBa ₂ Cu ₃ O _{7-x} superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 177, 61-66	1.3	53
1829	High critical currents in c-axis textured Bi-Pb-Sr-Ca-Cu-O superconductor ribbons. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 177, 189-194	1.3	16
1828	Magnetic flux trapping in hollow superconductors: possible device application for optical signal detection. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 174, 86-92	1.3	2
1827	Absolute measurements of the low magnetic field microwave absorption in YBa ₂ Cu ₃ O ₇ \square ceramics. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 177, 289-293	1.3	4
1826	Size dependence of the AC susceptibility and critical current densities of ceramic high-Tc superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 177, 401-414	1.3	17
1825	Determination of thermoactivation parameters of vortex mobility in YBa ₂ Cu ₃ O ₇ using only magnetic measurements. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 182, 297-306	1.3	
1824	AC losses of YBa ₂ Cu ₃ O ₇ \square high temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 180, 373-380	1.3	7
1823	The magnetic field at the surface of high-Tc superconducting oxides by nuclear magnetic resonance. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 175, 401-406	1.3	11
1822	Magnetic properties and critical currents in YBa ₂ Cu ₃ O ₇ thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 180, 148-154	1.3	4

1821	A new calibration technique for the determination of magnetic flux density with the magneto-optical Faraday effect. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 180, 155-159	1.3	34
1820	Microstructure and critical current density of zone melt textured YBa ₂ Cu ₃ O _{6+x} with Y ₂ BaCuO ₅ additions. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 176, 203-208	1.3	78
1819	Preparation and characterization of textured thick films of the 2212 phase in the BSCCO and BPSCCO systems. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 176, 216-226	1.3	8
1818	Variation of the superconducting properties of Bi ₂ Sr ₂ CaCu ₂ O _{8+x} with oxygen content. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 176, 247-256	1.3	135
1817	On the Meissner effect in granular superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 173, 458-464	1.3	11
1816	Critical current model analysis of inter- and intra-grain effects in a high density sintered Tl ₂ Ba ₂ Ca ₂ Cu ₂ O ceramic. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 183, 73-82	1.3	6
1815	Influence of hole filling and pair breaking by Pr and hole doping by Ca on superconductivity and flux pinning of YBa ₂ Cu ₃ O _{6.83} . <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 183, 154-162	1.3	25
1814	The critical state and the flux dynamics in squid arrays. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 173, 56-64	1.3	40
1813	Superconducting properties of YBa ₂ Cu ₃ O _{7-δ} with partial rare earth substitution. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 173, 75-79	1.3	40
1812	Neutron depolarization experiments on YBa ₂ Cu ₃ O _{6.85} . <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 1801-1802	1.3	3
1811	Tl ₂ Ba ₂ CaCu ₂ O _y logarithmic magnetic relaxation sharp drop at T=T _j . <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 1887-1888	1.3	6
1810	Superconducting properties of YBa ₂ Cu ₃ O _{7-δ} films deposited by chemical vapor deposition. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 2113-2114	1.3	1
1809	Magnetic field and temperature dependences of pinning force in high-T _c Bi ₂ Sr ₂ Ca ₂ Cu ₂ O systems. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 2237-2238	1.3	2
1808	Magnetization and flux creep in YBa ₂ Cu ₃ O _x superconductor prepared by infiltration-reaction process. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 2263-2264	1.3	
1807	Magnetic relaxation in a Ag-sheathed high J _c Bi ₂ Pb ₂ Sr ₂ Ca ₂ Cu ₂ O superconducting tape. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 2325-2326	1.3	2
1806	Flux pinning enhancement near T _c in YBa ₂ Cu ₃ O ₇ crystals irradiated by 5.3 GeV Pb ions. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 2347-2348	1.3	20
1805	Flux line decoration and magnetic properties of YBa ₂ Cu ₃ O ₇ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 2349-2350	1.3	2
1804	Size effect and pinning potential for YBCO systems prepared by modified melt texture growth. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 2375-2376	1.3	9

1803	The peak-effect in untwinned TmBa ₂ Cu ₃ O _x single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 2431-2432	1.3	3
1802	Flux pinning in BPSCCO (2223)-system. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 2513-2514	1.3	1
1801	Critical current density in quenched oxygen deficient YBa ₂ Cu ₃ O _{7-δ} <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 184, 13-20	1.3	8
1800	Analytic solution of a generalized critical state model of type II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 184, 88-92	1.3	13
1799	A new domain structure in YBa ₂ Cu ₃ O _{7-δ} prepared by the quench and melt growth (QMG) process. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 174, 263-272	1.3	24
1798	The extended Bean critical state model for superconducting 3-axes ellipsoid and its application for obtaining the bulk critical field H _{c1} and the pinning current J _c in high-T _c superconducting single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 174, 440-446	1.3	39
1797	Magnetic properties of Y _{1-x} R _x Cu ₃ O _{7-δ} compounds (R = Nd, Dy, Zr or Zr+Eu). <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 1211-1212	1.3	1
1796	Neutron irradiation effects in high-T _c single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 309-314	1.3	29
1795	Critical current density and flux pinning in silver/superconductor composites and tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 179, 361-368	1.3	41
1794	Enhancement of the superconducting transition temperature of TlSr ₂ CaCu ₂ O ₇ by yttrium and vanadium substitutions. 1991 , 91, 407-412		5
1793	Studies of irreversible magnetization in superconductors – review. 1991 , 36, 353-392		23
1792	Fine-grained high-T _c superconducting YBa ₂ Cu ₃ O _{7-δ} powders through a modified citrate method. 1991 , 14, 367-375		4
1791	Magnetic and microstructural properties of YBa ₂ Cu ₃ O _{7-δ} -Ag composite. 1991 , 14, 927-930		2
1790	Latent track formation induced by high energy heavy ions in superconductive copper oxides. 1991 , 54, 472-481		151
1789	Flux creep in YBaCuO single crystal observed on hysteresis loops and magnetic moment time relaxation. 1991 , 101, 105-106		3
1788	A study of the mixed state of the YBa ₂ Cu ₃ O _{6.9} superconducting ceramics by neutron depolarization. 1991 , 83, 155-159		5
1787	Raised to a higher plane. 1991 , 350, 270-270		13
1786	Demagnetizing factors for cylinders. 1991 , 27, 3601-3619		393

1785	. 1991 , 39, 1539-1544		10
1784	Influence of nickel substitution on flux pinning and critical currents in YBa ₂ Cu ₃ O _{7-δ} 1991 , 31, 833-838		13
1783	Excess magnetization due to interfilamentary proximity coupling in Nb ₃ Ti multifilamentary wires. 1991 , 31, 183-191		46
1782	Novel magnetometer and the interpretation of low field magnetic hysteresis of high T _c superconductors. 1991 , 31, 119-127		11
1781	Temperature, frequency and field dependence of AC hysteresis losses in superconducting YBaCuO single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 179, 22-28	1.3	11
1780	Magnetization of Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 179, 59-68	1.3	47
1779	The influence of a point defect structure on the magnetic properties of YBa ₂ Cu ₃ O _{7-δ} polycrystals. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 177, 253-261	1.3	34
1778	Microstructure and properties of the Y-Ba-Cu-O superconductor with submicron δ 11 δ dispersions. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 181, 57-62	1.3	79
1777	Magnetic and thermal instabilities in a textured YBa ₂ Cu ₃ O _x superconductor with high transport J _c . <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 173, 227-231	1.3	13
1776	Magnetic relaxation and flux creep in ceramic (Bi, Pb)-2223 HTSC. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 174, 101-108	1.3	30
1775	Low-field electrodynamics of high-T _c superconductors [theory and experiment]. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 174, 109-116	1.3	40
1774	Critical current and the spatial distribution of magnetic flux in superconducting thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 175, 363-368	1.3	26
1773	Anisotropy of the first critical field and critical current in YBa ₂ Cu ₃ O _{6.9} single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 175, 407-418	1.3	50
1772	Plasma deposition of superconducting films. 1991 , 139, 352-355		4
1771	Microstructural changes during the decomposition of YBa ₂ Cu ₄ O ₈ superconductors. 1991 , 10, 1394-1397		2
1770	Critical current density and related microstructure of textured YBaCuO rods produced by a melt growth process. <i>Superconductor Science and Technology</i> , 1991 , 4, 701-706	3.1	13
1769	Melt-textured thick films of Bi _{1.7} Pb _{0.3} Sr ₂ CaCu ₂ O _y prepared by electrophoretic deposition. <i>Superconductor Science and Technology</i> , 1991 , 4, 507-508	3.1	7
1768	Study of the propagation of an AC magnetic field through superconducting thick films. <i>Superconductor Science and Technology</i> , 1991 , 4, 250-256	3.1	11

1767	Viscous flux flow in the Bean model of type II superconductors. <i>Superconductor Science and Technology</i> , 1991 , 4, 122-127	3.1	23
1766	The effect of concentration on some superconducting properties of small grain systems of GdBa ₂ Cu ₃ O _{7-δ} embedded in solid epoxy. 1991 , 3, 9467-9474		2
1765	A Simple Magnetization Technique for Determining Critical Currents in Superconducting Thin Films. 1991 , 30, L15-L17		26
1764	Critical current density and magnetic behaviour of superconducting YBa ₂ Cu _{3+y} O _{7-δ} : Ag _x composite. 1991 , 3, 1181-1187		6
1763	Local Hall probe magnetometry: a new technique for investigation of magnetic flux penetration, exclusion and trapping in HTSC. <i>Superconductor Science and Technology</i> , 1991 , 4, S331-S333	3.1	47
1762	Critical current density and magnetization of Ag-sheathed tapes of Bi(Pb)-Sr-Ca-Cu-O. <i>Superconductor Science and Technology</i> , 1991 , 4, S244-S246	3.1	
1761	Attenuation of rotating fields by superconducting screens. <i>Superconductor Science and Technology</i> , 1991 , 4, 82-85	3.1	4
1760	Critical currents in neutron irradiated YBCO and BiSCCO single crystals. <i>Superconductor Science and Technology</i> , 1991 , 4, S103-S105	3.1	9
1759	Enhanced flux pinning by Zn substitution in YBa ₂ Cu ₃ O _{7-δ} . <i>Superconductor Science and Technology</i> , 1991 , 4, 57-61	3.1	21
1758	Effect of frequency on sensitivity of HTS sensors and devices. <i>Superconductor Science and Technology</i> , 1991 , 4, 416-418	3.1	15
1757	Screening of low frequency electromagnetic fields by the high-T _c superconductor YBa ₂ Cu ₃ O ₇ . 1991 , 44, 108-111		3
1756	Flexible and superconducting properties of sintered Bi-Pb-Sr-Ca-Cu-O tapes. 1991 , 59, 1635-1637		15
1755	. 1991 , 27, 1379-1382		23
1754	Critical current capacity of superconductors at different AC frequencies. 1991 , 27, 2186-2189		1
1753	Noncontacting alternating current surface probe measurements of transport critical currents in a slab geometry. 1991 , 59, 730-732		8
1752	In situ growth and properties of single-crystalline-like La _{2-x} Sr _x CuO ₄ epitaxial films by off-axis sputtering. 1991 , 59, 2748-2750		70
1751	. 1991 , 27, 1096-1100		19
1750	Anisotropic electromagnetic features of a grain-aligned YBa ₂ Cu ₃ O _x bulk superconductor. <i>Physical Review B</i> , 1991 , 43, 2878-2884	3.3	13

1749	Electromagnetic response of a thin type-II superconducting cylindrical shell. <i>Physical Review B</i> , 1991 , 43, 7792-7799	3.3	26
1748	Magnetic relaxation in YBa ₂ Cu ₃ O _x . <i>Physical Review B</i> , 1991 , 44, 7647-7653	3.3	53
1747	Magnetization decay in high-T _c superconductors analyzed as a simple two-dimensional trapping problem. <i>Physical Review B</i> , 1991 , 44, 2784-2788	3.3	6
1746	Self-fields and critical-current-density anisotropy of high-temperature superconductors. <i>Physical Review B</i> , 1991 , 44, 403-406	3.3	31
1745	Use of a phase-sensitive detector for measuring magnetic hysteresis loops. 1991 , 62, 2019-2021		13
1744	The magnetization of superconducting La _{1.85} Sr _{0.15} Cu _{1-x} V _x O ₄ . <i>Journal of Applied Physics</i> , 1991 , 69, 4857-4859	2.5	2
1743	Effect of Y ₂ BaCuO ₅ inclusions on flux pinning in YBa ₂ Cu ₃ O ₇ . 1991 , 59, 540-542		37
1742	Magneto-optic images of flux distribution and creep in YBa ₂ Cu ₃ O ₇ . <i>Journal of Applied Physics</i> , 1991 , 70, 4409-4414	2.5	10
1741	Very high critical current in a long YBa ₂ Cu ₃ O ₇ single crystalline rod. <i>Journal of Applied Physics</i> , 1991 , 69, 8261-8264	2.5	8
1740	High transport J _c and magnetization in textured Bi-Pb-Sr-Ca-Cu-O superconductors. <i>Journal of Applied Physics</i> , 1991 , 70, 6510-6512	2.5	12
1739	Magnetic-field dependence of the ac susceptibility in granular YBa ₂ Cu ₃ O ₇ : Data and models. <i>Physical Review B</i> , 1991 , 43, 11404-11407	3.3	34
1738	Role of grains and weak links in the nonlinear magnetic response of Y-Ba-Cu-O. <i>Physical Review B</i> , 1991 , 43, 3760-3763	3.3	14
1737	Temperature dependence of the activation energy at low magnetic induction in high-T _c superconductors. <i>Physical Review B</i> , 1991 , 44, 2778-2783	3.3	4
1736	Analytic solution of the critical-state model for an elliptical cylinder with field-dependent critical current density. <i>Physical Review B</i> , 1991 , 44, 6950-6954	3.3	15
1735	Effect of 5.3-GeV Pb-ion irradiation on irreversible magnetization in Y-Ba-Cu-O crystals. <i>Physical Review B</i> , 1991 , 44, 7167-7170	3.3	268
1734	Temperature dependence of the anisotropic magnetic penetration depth and lower critical field of single-crystal Pb ₂ Sr ₂ (Y,Ca)Cu ₃ O _{8+δ} . <i>Physical Review B</i> , 1991 , 44, 4539-4547	3.3	14
1733	Rotational dynamics of passive high T _c superconducting bearings. <i>Journal of Applied Physics</i> , 1991 , 70, 1820-1825	2.5	6
1732	Effects of Ni-doping on the high-magnetic field transport and magnetization properties of single crystals of YBa ₂ /sub 2/Cu/sub 3/O/sub 7/. 1991 , 27, 1390-1393		2

1731	A constitutive relation for hysteresis in superconductors. <i>Journal of Applied Physics</i> , 1991 , 69, 2388-2396.2.5		1
1730	Coherent harmonic generation in superconductors for various critical-state models. <i>Physical Review B</i> , 1991 , 44, 7726-7729	3.3	7
1729	Flux creep in Josephson junction arrays. 1991 , 27, 1049-1052		19
1728	Some problems of coupling loss calculations, in superconducting cables. 1991 , 27, 2206-2209		16
1727	Comparison of Ba/sub 2/YCu/sub 3/O/sub 7- delta / films on NdGaO/sub 3/ and LaAlO. 1991 , 27, 1006-1008		13
1726	Transition in the flux lattice of artificially layered superconductors. 1991 , 67, 2577-2580		31
1725	Critical currents and magnetization in c-axis textured Bi-Pb-Sr-Ca-Cu-O superconductors. 1991 , 58, 868-870		72
1724	Neutron-irradiation effects on critical current densities in single-crystalline YBa ₂ Cu ₃ O _{7- delta} . <i>Physical Review B</i> , 1991 , 43, 3091-3100	3.3	103
1723	Magnetic-flux profiles of high-T _c superconducting granules: Three-dimensional critical-state-model approximation. <i>Physical Review B</i> , 1991 , 44, 10146-10157	3.3	29
1722	Self-organized critical behavior in pinned flux lattices. 1991 , 67, 919-922		93
1721	Thermal conductivity of YBa ₂ Cu ₃ O _{7- delta} in a magnetic field: Can kappa (H) probe the vortex state?. 1991 , 67, 3856-3859		32
1720	Shielding and flux trapping properties of high temperature superconductors in the shape of hollow cylinders. 1991 , 27, 1047-1048		4
1719	Flux compression measurements in sintered bulk Ba/sub 2/YCu/sub 3/O/sub 7/. 1991 , 27, 1170-1173		
1718	Critical current and relaxation of oriented grained YBa/sub 2/Cu/sub 3/O/sub 7-x/ after fast neutron irradiation. 1991 , 27, 1369-1374		28
1717	Magnetization and flux creep in Ag-sheathed high-Jctape of Bi-Pb-Sr-Ca-Cu-O. <i>Superconductor Science and Technology</i> , 1992 , 5, S359-S362	3.1	2
1716	Hysteresis in a high-temperature superconductor. 1992 , 4, 3813-3818		4
1715	Flux Pinning by Collision Cascades and Large Defect Clusters in Single Crystal YBa ₂ Cu ₃ O ₇		10
1714	Hysteresis Loops of Modulated Microwave Absorption and Flux Distribution in Granular Y ₁ Ba ₂ Cu ₃ O _x . 1992 , 31, 3303-3310		5

1713	Hysteresis loops and critical currents determined by means of lock-in technique. <i>Superconductor Science and Technology</i> , 1992 , 5, S137-S140	3.1	2
1712	Microstructure and magnetic characterization of YBa ₂ Cu ₃ O _{7-x} superconducting ceramic. <i>Superconductor Science and Technology</i> , 1992 , 5, 634-639	3.1	8
1711	Estimation of critical current densities from magnetization measurements in a single crystal of a high-T _c superconductor. 1. One-dimensional flux penetration. <i>Superconductor Science and Technology</i> , 1992 , 5, S204-S207	3.1	4
1710	Non-linear AC magnetic susceptibility of the high-T _c superconductor NdBa ₂ Cu ₃ O ₇ . 1992 , 4, 10257-10264		
1709	The superconducting rings model-percolative character of the transport current in granulated high-T _c superconductors. <i>Superconductor Science and Technology</i> , 1992 , 5, S387-S390	3.1	6
1708	Modulated microwave absorption study of relaxation effects in Bi ₂ Sr ₂ CaCu ₂ O _y . <i>Superconductor Science and Technology</i> , 1992 , 5, 578-581	3.1	4
1707	High performance in a bulk melt-textured YBa ₂ Cu ₃ O _{7-δ} ceramic. <i>Superconductor Science and Technology</i> , 1992 , 5, 712-718	3.1	23
1706	Vortex response to AC-fields in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} . <i>Superconductor Science and Technology</i> , 1992 , 5, S260-S263	3.1	15
1705	Electrical and magnetic properties of high T _c melt growth processed YBaCuO rods. <i>Superconductor Science and Technology</i> , 1992 , 5, S296-S299	3.1	4
1704	Flux-creep in high-temperature superconductors in low fields at 77 K. <i>Superconductor Science and Technology</i> , 1992 , 5, S355-S358	3.1	2
1703	Penetration field in superconductors with considerable flux creep and flux flow. <i>Superconductor Science and Technology</i> , 1992 , 5, S452-S455	3.1	3
1702	Increased irreversibility line by precipitate pinning in the Bi-Sr-Ca-Cu-O system. <i>Superconductor Science and Technology</i> , 1992 , 5, 73-77	3.1	3
1701	Flux pinning in neutron irradiated high-T _c single crystals. <i>Superconductor Science and Technology</i> , 1992 , 5, S19-S24	3.1	35
1700	The low field simulation and study of magnetization in high-T _c superconductors at 77K. <i>Superconductor Science and Technology</i> , 1992 , 5, S351-S354	3.1	4
1699	Susceptibility and magnetization characterization of bulk high T _c superconductors: scaling length and critical current densities. <i>Superconductor Science and Technology</i> , 1992 , 5, S399-S402	3.1	19
1698	Field-dependence anomaly in critical currents and granularity for flux-grown single-crystal YBa ₂ Cu ₃ O _{7-δ} . <i>Superconductor Science and Technology</i> , 1992 , 5, 349-352	3.1	2
1697	Field dependence and hysteresis effects of harmonic responses of a superconducting Y-Ba-Cu-O:Ag composite. <i>Superconductor Science and Technology</i> , 1992 , 5, 467-471	3.1	6
1696	Magnetic flux penetration into a non-uniform Josephson junction. 1992 , 4, 1791-1798		5

1695	Microstructure and properties of Cu-rich 123. Part I: Copper at the grain boundaries. 1992 , 7, 572-579		2
1694	Three dimensional solution of critical state models: AC hysteresis losses. <i>Superconductor Science and Technology</i> , 1992 , 5, S200-S203	3-1	8
1693	Quasi-2D behavior in bulk isotropic type-II superconductors: Shape effects. 1992 , 68, 867-870		30
1692	Critical-state scaling and weak links in Ag-sheathed Bi2Sr2Ca2Cu3Oz. <i>Physical Review B</i> , 1992 , 45, 12506-12512	3-3	30
1691	High-field magnetization scaling relations for pure and Ni-substituted single-crystal YBa2Cu3O7. <i>Physical Review B</i> , 1992 , 46, 11092-11101	3-3	30
1690	Field and geometry dependence of the ac loss in the critical-state model of type-II superconductors. <i>Physical Review B</i> , 1992 , 45, 7996-8006	3-3	11
1689	Effective electric field in dc magnetization measurements: Comparing magnetization to transport critical currents. 1992 , 60, 2153-2155		22
1688	Single liquid source plasma-enhanced metalorganic chemical vapor deposition of high-quality YBa2Cu3O7 thin films. 1992 , 61, 2884-2886		57
1687	. 1992 , 28, 2229-2231		1
1686	Determination of currents in flat superconductors. <i>Physical Review B</i> , 1992 , 46, 8628-8631	3-3	136
1685	ac-loss valley in type-II superconductors. <i>Physical Review B</i> , 1992 , 45, 5443-5449	3-3	31
1684	Field and temperature dependence of remanent magnetization in a single crystal of Bi2Sr2CaCu2Oy. <i>Physical Review B</i> , 1992 , 46, 11928-11934	3-3	9
1683	Magnetization and harmonic response of YBa2Cu3O7- delta :Ag composites. <i>Physical Review B</i> , 1992 , 45, 951-955	3-3	16
1682	Effects of field-sweep rate on the magnetization of melt-textured YBa2Cu3O7- delta. <i>Physical Review B</i> , 1992 , 46, 8480-8486	3-3	19
1681	Direct observation of the critical state field profile in a YBa2Cu3O7-y single crystal. <i>Physical Review B</i> , 1992 , 45, 8201-8204	3-3	35
1680	Offset susceptibility of superconductors. <i>Physical Review B</i> , 1992 , 46, 12080-12083	3-3	1
1679	Effect of microstructure on the magnetic-field dependence of the local critical current density in YBa2Cu3O7- delta superconductors. <i>Physical Review B</i> , 1992 , 46, 10986-10996	3-3	44
1678	Comparison of transport and magnetization critical currents in c-axis-oriented Y1Ba2Cu3O7 thin films. <i>Journal of Applied Physics</i> , 1992 , 72, 1021-1029	2-5	12

1677	Flux pinning in YBa ₂ Cu ₃ O _{7-δ} single crystals: Neutron irradiation and annealing. <i>Physical Review B</i> , 1992 , 46, 6441-6450	3-3	39
1676	ac susceptibility measurements and the irreversibility line of high-temperature superconductors. <i>Physical Review B</i> , 1992 , 45, 12498-12501	3-3	31
1675	ac losses in powder-in-tube Bi ₂ Ca ₂ Sr ₂ Cu ₃ O ₁₀ tapes at power frequencies. 1992 , 60, 252-254		23
1674	Vortex movement into polycrystalline YBa ₂ Cu ₃ O _{7-x} loops. <i>Physical Review B</i> , 1992 , 46, 9169-9174	3-3	5
1673	Critical current of a high T _c Josephson grain boundary junction in high magnetic field. 1992 , 61, 1355-1357		46
1672	Transport critical currents in field-oriented Y ₁ Ba ₂ Cu ₃ O _y polycrystals. <i>Journal of Applied Physics</i> , 1992 , 71, 800-807	2-5	10
1671	Critical current behavior in the Sb ₂ O ₃ -doped YBa ₂ Cu ₃ O _{7-δ} superconductor. 1992 , 60, 3307-3309		9
1670	High critical-current densities in (Tl _{0.5} Pb _{0.5})Sr ₂ Ca ₂ Cu ₃ O ₉ with T _c up to 115 K. 1992 , 60, 1019-1021		102
1669	Collective effects in vortex movements in type-II superconductors observed by a method for the registration of individual vortices. <i>Physical Review B</i> , 1992 , 46, 324-330	3-3	18
1668	Minor hysteresis loops and harmonic generation calculations in a generalized critical-state model. <i>Physical Review B</i> , 1992 , 46, 11737-11744	3-3	26
1667	Harmonic susceptibilities of a sintered oxide superconductor. <i>Physical Review B</i> , 1992 , 46, 1122-1129	3-3	32
1666	Comment on "Magnetic-flux profiles of high-T _c superconducting granules: Three-dimensional critical-state-model approximation". <i>Physical Review B</i> , 1992 , 46, 14926	3-3	3
1665	Complex ac permeability and harmonic generation of a thin film of YBa ₂ Cu ₃ O _{7-δ} : Measurements and models. <i>Physical Review B</i> , 1992 , 46, 437-442	3-3	9
1664	Spatially resolved magnetic hysteresis in a YBa ₂ Cu ₃ O _{7-y} crystal measured by a Hall-probe array. <i>Physical Review B</i> , 1992 , 45, 2589-2592	3-3	31
1663	Superconducting stripline model of intergranular flux penetration. <i>Superconductor Science and Technology</i> , 1992 , 5, S395-S398	3-1	9
1662	Linear a.c. response of high-T _c superconductors and the irreversibility line. 1992 , T45, 63-68		6
1661	The Influence of Transport Currents on the Harmonic Generation in High T _c Superconductors. 1992 , 275, 227		1
1660	On the Determination of Intrinsic Properties of Ceramic High-T _c Superconductors by Ac Susceptibility Measurements. 1992 , 275, 275		

- 1659 Heteroepitaxial Bi₂Sr₂CaCu₂O_x Superconducting thin films Deposited on LaAlO₃ by Solid Phase Epitaxy and OMCVD. **1992**, 275, 443 1
- 1658 Weakening of Flux-Pinning Strength for High T_c Superconductors in an Alternating Magnetic Field. **1992**, 275, 777
- 1657 Neutron Depolarisation by YBa₂Cu₅O_{6.85}, Superconductors. **1992**, 275, 193
- 1656 .
- 1655 Resistive and magnetic properties of Y_{1-x}Zr_xBa₂Cu₃O_{7-δ} and Y_{1-x}Zr_xEu_xBa₂Cu₃O_{7-δ} superconductive compounds. *Journal of Materials Science*, **1992**, 27, 5253-5258 4-3
- 1654 Magnetization and flux pinning studies of superconducting In-21.8at.%Bi eutectic alloys. **1992**, 183, 288-302 1
- 1653 The flux line lattice in high T_c superconductors. **1992**, 181, 339-356 9
- 1652 The Critical Current Density and the Curvature of the Magnetic Field in Epitaxial YBaCuO Films. **1992**, 170, 549-562 17
- 1651 Effect of Magnetic Field on the Critical Current Density of High TC Superconductors. **1992**, 170, K99-K102
- 1650 How to optimize high-T_c superconductive cuprates. **1992**, 5, 203-217 11
- 1649 Magnetic and microwave properties of Sm_{1-x}Ba₂Cu_{3+x}O_{7-δ} superconductors at 4.2 K prepared by an organic carbonate coprecipitation route. **1992**, 5, 245-250 3
- 1648 60-Hz AC losses in Ag-doped high-temperature superconductors. **1992**, 5, 25-27
- 1647 Magnetic behavior of weak links in bulk superconducting YBa₂Cu₃O_{7-δ}: Ag composite. **1992**, 5, 519-525 4
- 1646 High-field magnetic and transport critical current density of Sm-Ba-Cu-O: Ag_x superconductors at low temperature. **1992**, 5, 471-475
- 1645 Novel field-induced asymmetry in the remanent magnetization of the superconductor YBa₂Cu₃O₇. **1992**, 358, 567-569 14
- 1644 Improvement of the critical magnetization currents in La_{1.85}Sr_{0.15}CuO₄ by hydrogen treatment. **1992**, 84, 1069-1071 8
- 1643 Study of the mixed state of YBa₂Cu₃O_{6.9}, SnMo₆S₈ superconducting ceramics and Bi₂Sr₂CaCu₂O₈ textured polycrystals by neutron depolarization. *Physica B: Condensed Matter*, **1992**, 180-181, 435-436 2.8
- 1642 Nonlinear current diffusion in type-II superconductors. *Physica C: Superconductivity and Its Applications*, **1992**, 197, 320-336 1.3 81

1641	Magnetization and relaxation curves of fast relaxing high-T _c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 197, 337-361	1.3	159
1640	AC losses in sintered high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 203, 271-276	1.3	12
1639	Magnetic field dependence of the harmonic generation in sintered pellets of YBaCuO. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 198, 383-388	1.3	13
1638	Influence of the oxygen rearrangement on normal and superconducting properties of YBa ₂ Cu ₃ O _{6+x} ceramics. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 197, 47-52	1.3	18
1637	Comparison of direct and modulated microwave magnetoresistance in ceramic and single crystal YBa ₂ Cu ₃ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 197, 175-182	1.3	30
1636	Hysteresis of the dynamical magnetic permeability of a YBa ₂ Cu ₃ O ₇ single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 200, 175-182	1.3	10
1635	Transport relaxation and intragranular flux creep in polycrystalline YBa ₂ Cu ₃ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 200, 195-200	1.3	11
1634	Flux-flow noise and possible self-organized criticality in YBa ₂ Cu ₃ O ₇ thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 195, 367-372	1.3	10
1633	Critical fields and flux pinning in single crystal Ba _{1-x} K _x BiO ₃ . <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 195, 373-378	1.3	16
1632	Inter- and intragranular irreversibilities in ceramic Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ . <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 199, 356-364	1.3	9
1631	Peak measurements in HTSC single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 201, 391-396	1.3	16
1630	On the calculation of J _c from magnetization measurements on superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 203, 121-128	1.3	144
1629	Thin and ultra-thin epitaxial films of YBa ₂ Cu ₃ O ₇ deposited on LiNbO ₃ substrates by pulsed excimer laser ablation. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 203, 129-138	1.3	9
1628	Studies of HTSC crystal magnetization features using indicator magneto-optic films with in-plane anisotropy. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 203, 149-156	1.3	264
1627	Irreversibility line in YBa ₂ Cu ₃ O ₇ samples. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 199, 15-22	1.3	20
1626	Temperature dependence of the lower critical field under the effect of surface barriers in Bi ₂ Sr ₂ CaCu ₂ O ₈ crystal. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 199, 32-36	1.3	19
1625	Growth and properties of laser-ablated Bi ₂ Sr ₂ CaCu ₂ O ₈ thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 199, 112-120	1.3	9
1624	Development of Tl-1223 superconducting tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 199, 161-170	1.3	37

1623	Magnetic relaxation and flux pinning in YBa ₂ Cu ₃ O ₇ high-Tc oxide irradiated by 5.3 GeV Pb ions. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 190, 289-298	1.3	27
1622	Current density and magnetic field distribution in hard thin film superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 190, 345-352	1.3	110
1621	A method of determination of the bulk critical field H _{c1} and the pinning current J _c in HTSC single crystals from hysteresis curves. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 190, 357-366	1.3	15
1620	Dependence of complex permeability and harmonic power generation of a sintered YBa ₂ Cu ₃ O ₇ rod on applied AC and DC magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 194, 37-46	1.3	7
1619	Temperature dependence of the inter- and intragranular components of the complex permeability in a sintered YBa ₂ Cu ₃ O ₇ cylinder: two transition temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 194, 47-54	1.3	12
1618	Power law behavior of the magnetization curves of YBCO materials. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 194, 141-144	1.3	5
1617	Bean-Livingston barriers A new source for magnetic irreversibility in YBa ₂ Cu ₃ O ₇ crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 194, 155-156	1.3	16
1616	Quasistatic nonlinear magnetic response of granular superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 194, 211-222	1.3	6
1615	Systematics of flux jumps and the stabilizing effect of flux creep in a La _{1.86} Sr _{0.14} CuO ₄ single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 190, 403-414	1.3	41
1614	Critical currents and rapid measurements of magnetic relaxation in superconducting thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 192, 85-94	1.3	13
1613	Compositional dependence of transport anisotropy in large (La, Sr) ₂ CuO ₄ single crystals and second peak in magnetization curves. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 192, 247-252	1.3	156
1612	Unconventional superconductivity in UPt ₃ low field AC susceptibility studies. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 192, 284-292	1.3	3
1611	Anisotropy of the critical current density in bulk Y ₁ Ba ₂ Cu ₃ O ₇ measured by torque magnetometry for various oxygen deficiencies. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 193, 344-352	1.3	22
1610	Microstructure control of YBa ₂ Cu ₃ O ₇ by high temperature compression. 1992 , 13, 125-132		3
1609	Magnetic relaxation in generalized critical state model. 1992 , 165, 373-376		1
1608	Low field magnetization curves of cylindrical samples of high-Tc granular superconductors. 1992 , 164, 109-114		5
1607	Measurements of upper critical field and magnetic field dependence of the microwave resistance of YBaCuO thin film. 1992 , 163, 322-325		3
1606	Magnetization studies in niobium and YBa ₂ Cu ₃ O ₇ samples. 1992 , 38, 641-667		3

1605	The complex permeability and harmonic generation of a $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8-x}$ crystal: measurements and models. 1992 , 115, 197-203	2
1604	Visual study of the radiation induced flux pinning enhancement in superconducting $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_x$ single crystals. 1992 , 104-107, 483-484	2
1603	Enhanced flux line pinning in Pb doped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+y}$. 1992 , 104-107, 521-522	1
1602	Resistive and magnetic properties of $\text{Y}_{1-x}\text{Zr}_x\text{Ba}_2\text{Cu}_3\text{O}_7$ and $\text{Y}_{1-x}\text{Zr}_x\text{Eu}_x\text{Ba}_2\text{Cu}_3\text{O}_7$ superconductive compounds. <i>Journal of Materials Science</i> , 1992 , 27, 5253-5258	4-3 8
1601	Flux pinning in $\text{YBa}_2\text{Cu}_3\text{O}_7$ thin films grown by d.c. magnetron sputtering. 1992 , 32, 1084-1088	15
1600	Simple numerical model to interpret the a.c. measurements on type-II superconductors. 1992 , 32, 559-568	4
1599	Enhanced flux pinning by Zn substitution in $\text{GdBa}_2\text{Cu}_3\text{O}_7$. 1992 , 32, 770-774	3
1598	Critical current in $\text{DyBa}_2\text{Cu}_3\text{O}_7$ single crystals. 1992 , 32, 781-784	
1597	Determination of critical currents from the width (ΔH) of hysteresis loops of type II superconductors. 1992 , 32, 813-821	10
1596	Simple magnetic shielding experiment on high T_c superconducting bulk ceramics and thin films, metals and alloys. 1992 , 32, 64-68	14
1595	. 1992 , 41, 824-828	4
1594	. 1992 , 28, 809-812	12
1593	Interaction between intra-grain currents and transport current in bulk YBaCuO . 1992 , 32, 1027-1033	1
1592	Electromagnetic properties of high T_c superconductors: relaxation of magnetization. 1992 , 32, 569-577	31
1591	Coupling losses in inhomogeneous cores of superconducting cables. 1992 , 32, 258-264	12
1590	Effects of critical current density, equilibrium magnetization and surface barrier on magnetization of high temperature superconductors. 1993 , 33, 695-703	44
1589	Thermally measured magnetic field induced dissipation in polycrystalline $\text{YBa}_2\text{Cu}_3\text{O}_7-x$. 1993 , 33, 704-713	
1588	Generation of $J_c(H)$ hysteresis curves for granular $\text{YBa}_2\text{Cu}_3\text{O}_7-x$ superconductors. 1993 , 33, 308-313	39

1587	Determination of full penetration field of Y?Ba?Cu?O hollow cylinders by low I_c Y?Ba?Cu?O superconducting probe: temperature dependence. 1993 , 33, 333-338	6
1586	Transport critical currents, flux dynamics and a.c. magnetization of YBa ₂ Cu ₃ O _{7-δ} and Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystal rings. 1993 , 33, 339-346	12
1585	Fishtails, scales and magnetic fields. 1993 , 33, 352-356	36
1584	Comparative study of flux creep in Bi ₂ Sr ₂ CaCu ₂ O _x and YBa ₂ Cu ₃ O _y single crystals. 1993 , 33, 375-377	1
1583	50 Hz self-field losses in melt-textured YBa ₂ Cu ₃ O _{7-δ} bars. 1993 , 33, 31-34	7
1582	Effect of Cr and V substitution on the properties of bulk Tl-based superconductors. 1993 , 33, 91-96	3
1581	A.c. susceptibility-based evaluation of YBCO thin film parameters. 1993 , 33, 147-151	3
1580	Critical state in Josephson junction arrays as models of a bi-dimensional superconducting granular system. 1993 , 172, 391-398	15
1579	Critical state calculations. 1993 , 175, 353-360	2
1578	Structural characterization of yttria (Y ₂ O ₃) inclusions in YBa ₂ Cu ₃ O _{7-δ} films: Growth model and effect on critical current density. 1993 , 229, 237-248	33
1577	Magnetic properties of the heavy-fermion superconductors UPt ₃ and URu ₂ Si ₂ . 1993 , 85, 355-360	17
1576	Critical current density of a sample of melt grown YBCO. 1993 , 87, 1077-1080	
1575	Magnetic shielding studies using cylinders of YBa ₂ Cu ₃ O _{7-δ} prepared by isostatic compression. 1993 , 87, 1081-1085	1
1574	Effects of irradiation on magnetization curves in high temperature superconductors. 1993 , 1, 323-331	1
1573	High pressure synthesis and superconductivity of infinite layered Sr _{1-x} LaxCuO ₂ . 1993 , 1, 487-491	5
1572	Giant magnetostriction of cuprates in superconducting state. 1993 , 1, 635-643	8
1571	High sensitivity superconducting sensor for direct measurement of flux density. 1993 , 1, 1681-1689	3
1570	Functional properties of single crystals and laser deposited thin films of cubic BKBO superconductors. 1993 , 1, 1763-1771	

1569	Critical currents and flux in vanadium doped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ system. 1993 , 1, 1227-1229		1
1568	Current-voltage characteristics of thin HTSC films. 1993 , 1, 1379-1394		
1567	SOC and the Bean critical state. 1993 , 194, 315-320		46
1566	Flux creep in $\text{Nd}_{1-x}\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ ($x=0.00-1$). <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 210, 157-163	1.3	19
1565	Microwave surface impedance in the mixed state of type-II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 218, 449-456	1.3	28
1564	The temperature dependence of the irreversibility line of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_x$ superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 216, 315-324	1.3	8
1563	Characterization of high- T_c superconducting tapes using Hall sensors. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 216, 382-390	1.3	15
1562	Influence of sample inhomogeneities on characterization and application of HTSC material. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 211, 338-342	1.3	2
1561	Critical current density and activation energy in melt textured growth YBaCuO from magnetic measurements. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 211, 355-365	1.3	7
1560	AC energy dissipation in high- T_c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 205, 14-20	1.3	20
1559	Energy dissipation and flux trapping in a high- T_c superconductor in low AC and DC magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 208, 245-252	1.3	3
1558	Thermal measurements of the magnetic field induced dissipation in $\text{YBa}_2\text{Cu}_3\text{O}_7$ at low temperature. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 208, 356-362	1.3	8
1557	Synthesis of a 90 K $\text{Y}_2\text{Ba}_4\text{Cu}_7\text{O}_{15-x}$ superconductor under ambient pressure by triethylammoniumoxalate co-precipitation. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 215, 435-438	1.3	3
1556	ESR investigation of the superconducting critical state in YBaCuO single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 218, 51-58	1.3	9
1555	Flux-line response in 2H-NbSe_2 investigated by means of the vibrating superconductor method. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 218, 238-244	1.3	23
1554	$\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ fibers spun by means of pendant drop melt extraction. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 207, 261-265	1.3	1
1553	Irreversibility line and non-linearity in the AC response caused by flux pinning in high- T_c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 217, 297-312	1.3	30
1552	Scaling of critical currents versus temperature in granular $\text{Y}_1\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ superconductors at zero applied magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 215, 105-112	1.3	12

1551	Metallurgy, HRTEM, magnetic properties and specific heat of $Tl_2Ba_2Cu_1O_{6+x}$ K-superconductors obtained by a new process. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 205, 247-258	1.3	17
1550	Determination of critical current densities of $YBa_2Cu_3O_{7-x}$ thin films from AC susceptibility measurements. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 205, 311-322	1.3	40
1549	Field dependent AC loss in YBCO superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 205, 363-370	1.3	7
1548	Irreversibility lines of Bi-2212 single crystals irradiated by 6 GeV-Pb ions. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 205, 371-376	1.3	32
1547	Influence of cooling and annealing procedure on the intergranular coupling of $Ag-Bi_2Sr_2CaCu_2O_{10}$ screen-printed tape. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 205, 397-405	1.3	19
1546	Microwave losses in type II superconductors in a magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 213, 287-297	1.3	8
1545	Magnetization behavior of single crystalline $Bi_2Sr_2CaCu_2O_y$ above 60 K. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 212, 6-18	1.3	1
1544	Superconductor screen viewed as one or two inductive loops. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 212, 43-60	1.3	54
1543	Determination of the critical current distribution in 1-2-3 single crystals by magnetic flux patterns observed on the sample surface. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 212, 211-215	1.3	9
1542	Critical states in 2D disk-shaped type-II superconductors in periodic external magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 212, 216-222	1.3	120
1541	Magnetic properties and AC-losses of superconductors with power law current-voltage characteristics. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 212, 292-300	1.3	280
1540	Preparation, magnetization and electrical resistivity of electrochemically oxidized La_2CuO_{4+x} single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 216, 66-76	1.3	56
1539	Evidence for eddy currents and skin effect in 123 / Ag random composites. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 216, 111-115	1.3	4
1538	Influence of Pb and Nb substitution on pinning and irreversibility behaviour of Bi2212. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 208, 11-17	1.3	23
1537	Diamagnetic properties of $Y_{1-x}Pr_xBa_2Cu_3O_y$. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 208, 107-115	1.3	13
1536	Flux line pinning by point defects in single crystalline high- T_c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 208, 155-169	1.3	24
1535	Effect of room temperature annealing on the properties of oxygen-deficient $YBa_2Cu_3O_x$ films. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 206, 51-58	1.3	22
1534	Flux expulsion at intermediate fields in type-II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 206, 169-175	1.3	9

1533	Magnetic characterization on the melt processed YBa ₂ Cu ₃ O ₇ and Bi _{1.8} Pb _{0.2} Sr ₂ CaCu ₂ O _x superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 211, 227-233	1.3	
1532	AC susceptibility of thin superconducting discs. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 213, 109-125	1.3	10
1531	Superconductivity in (Pb _{0.75} Cu _{0.25})Sr ₂ (Y _{1-x} Ca _x)Cu ₂ O _{7-δ} without high pressure oxygen annealing. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 213, 161-166	1.3	9
1530	Current and field distributions in superconducting films: determination of critical current by local field measurement. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 217, 63-72	1.3	11
1529	Plates of melt-textured YBa ₂ Cu ₃ O _{7-δ} superconductors with long crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 217, 135-145	1.3	6
1528	Temperature dependence of AC susceptibility using a general magnetization model. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 217, 197-202	1.3	3
1527	Anomalous magnetoresistance in bulk polycrystalline Y ₁ Ba ₂ Cu ₃ O _{7-δ} . <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 209, 79-80	1.3	1
1526	Fabrication of Bi _{1.7} Pb _{0.4} Sr _{1.6} Ca _{2.4} Cu _{3.6} O _y superconducting films on silver substrates by the electrophoretic deposition technique. 1993 , 12, 1793-1794		6
1525	Scaling properties of the anisotropic critical current density in bulk textured YBaCuO. Evidence toward a 3D flux line lattice. 1993 , 91, 1-11		14
1524	Critical current enhancement and flux creep in irradiated YBaCuO thick films. 1993 , 140, 527-531		3
1523	Flux dynamics and low-field magnetic properties of the heavy-fermion superconductor CeCu ₂ Si ₂ . 1993 , 90, 15-53		15
1522	Studies on magnetization and microwave properties of gamma-ray-irradiated Sm-Ba-Cu-O superconductors. 1993 , 6, 81-85		1
1521	Magnetic and transport critical current density of laser-irradiated Sm-Ba-Cu-O superconductor at 4.2 K. 1993 , 6, 93-98		5
1520	The flux-line lattice in high-T _c superconductors. 1993 , 6, 201-217		26
1519	Low-temperature magnetic and microwave studies of Gd _{0.95} Ba ₂ Cu _{3.05} O _{7-δ} Ag _x composites. 1993 , 6, 285-290		1
1518	Effect of lanthanum substitution at the barium site on the mechanical behaviour in YBCO superconductor. 1993 , 28, 73-80		2
1517	Relaxation of the magnetic structures in high temperature superconducting ceramics Tl ₂ Ca ₂ Ba ₂ Cu ₃ O _x . Investigation of the microwave response. 1993 , 4, 265-277		
1516	Effect of site-selective substitution in bulk superconducting Tl ₂ Ba ₂ CaCu ₂ O ₈ . 1993 , 22, 1205-1209		2

1515	Critical current densities of high pressure oxygen sputtered thin films of YBa ₂ Cu ₃ O _{7-x} by non-resonant rf absorption method. 1993 , 40, 119-122			4
1514	Field dependence of critical current density determined from a.c. susceptibility measurements. 1993 , 33, 277-280			1
1513	D.c. field tuning of inter- and intragranular effects in Y?Ba?Cu?O ceramics. 1993 , 33, 314-320			4
1512	Detailed analysis of magnetization data and transport critical current measurements for Ag?(Bi,Pb)SrCaCuO composite tapes. 1993 , 33, 326-332			8
1511	Critical current, magnetic irreversibility line and relaxation in a single Tl?O layer 1223 superconductor. 1993 , 33, 46-49			22
1510	Fundamental and harmonic a.c. susceptibility response of MOCVD YBa ₂ Cu ₃ O ₇ thin films: Model of flux line behaviour. 1993 , 33, 497-501			1
1509	Magnetic relaxation over the Bean-Livingston surface barrier. <i>Physical Review B</i> , 1993 , 47, 8056-8064	3,3		201
1508	Peak-effect, scaling behavior and voltage-current characteristics for TmBa ₂ Cu ₃ O _{7-x} single crystal. 1993 , 195, 479-482			15
1507	Transport critical current in MOCVD YBa ₂ Cu ₃ O ₇ thin films using a pulse technique. 1993 , 195, 475-478			3
1506	Type-II-superconductor strip with current in a perpendicular magnetic field. <i>Physical Review B</i> , 1993 , 48, 12893-12906	3,3		889
1505	The irreversibility line of HgBa ₂ CuO _{4+x} 1993 , 63, 693-695			69
1504	Universal behavior of harmonic susceptibilities in type-II superconductors. <i>Physical Review B</i> , 1993 , 48, 13871-13880	3,3		56
1503	Strong evidence for vortex-glass-collective-pinning theory in YBa ₂ Cu ₃ O ₇ superconductors. <i>Physical Review B</i> , 1993 , 47, 14481-14488	3,3		28
1502	Linear and nonlinear ac response in the superconducting mixed state. <i>Physical Review B</i> , 1993 , 48, 3393-3403	3,3		159
1501	Magnetization of type-II superconductors in the Kim-Anderson model. <i>Physical Review B</i> , 1993 , 47, 915-924			31
1500	. <i>IEEE Transactions on Applied Superconductivity</i> , 1993 , 3, 570-573		1.8	39
1499	AC susceptibility measurements : A quality test for high T _c superconducting bulk materials. 1993 , 195, 177-180			6
1498	VSM measurements of critical currents for 2H+ and 16O+ low energy ion implanted YBa ₂ Cu ₃ O _{7-x} thin films. 1993 , 195, 467-470			9

1497	A.c. magnetic susceptibility measurements to determine the superconducting parameters related to morphology and structure of Nb _{0.4} Ti _{0.45} Ta _{0.075} Zr _{0.075} tapes. 1993 , 201, 239-243			1
1496	Critical magnetization currents in a hydrogenated La _{1.85} Sr _{0.15} CuO ₄ superconductor. 1993 , 195, 471-474			3
1495	Magnetic properties of the Tl ₂ Ba ₂ Cu ₁ O _{6+δ} superconductor. 1993 , 195, 607-610			2
1494	Growth and properties of MOCVD YBa ₂ Cu ₃ O _{7-δ} thin films. 1993 , 195, 287-290			7
1493	Determination of irreversibility line of an La _{1.87} Sr _{0.13} CuO ₄ single crystal: a scaling approach. 1993 , 17, 227-231			2
1492	. <i>IEEE Transactions on Applied Superconductivity</i> , 1993 , 3, 1413-1416	1.8		1
1491	On the mechanism of non-resonant microwave absorption in granular high-temperature superconductors. <i>Superconductor Science and Technology</i> , 1993 , 6, 112-118	3.1		16
1490	Superconducting power transmission systems-the past and possibly the future. <i>Superconductor Science and Technology</i> , 1993 , 6, 699-714	3.1		16
1489	A realistic two-component critical state model: successful derivation of low-field M-H loops of granular superconductors. <i>Superconductor Science and Technology</i> , 1993 , 6, 685-690	3.1		5
1488	AC magnetic susceptibility of HTSC and its hysteresis in the critical-state model. <i>Superconductor Science and Technology</i> , 1993 , 6, 840-849	3.1		4
1487	Enhanced flux pinning and critical currents by V substitution in YBa ₂ Cu ₃ O _{7-δ} . <i>Superconductor Science and Technology</i> , 1993 , 6, 233-237	3.1		4
1486	Texturing of thick films on a metallic substrate. <i>Superconductor Science and Technology</i> , 1993 , 6, 368-372	3.1		8
1485	Angle-dependent irreversible magnetization of an La _{1.87} Sr _{0.13} CuO ₄ single crystal. 1993 , 5, 1883-1894			2
1484	Critical current density of Y-Ba-Cu-Sn-O superconductors. 1993 , 2, 857-862			
1483	Frequency, field and thermomagnetic dependence of AC susceptibility in YBCO. <i>Superconductor Science and Technology</i> , 1993 , 6, 765-770	3.1		11
1482	. <i>IEEE Transactions on Applied Superconductivity</i> , 1993 , 3, 1698-1701	1.8		1
1481	Flux flop in Y-Ba-Cu-O crystals irradiated with 5.3-GeV Pb ions. <i>Physical Review B</i> , 1993 , 47, 12349-12352	3.3		22
1480	Muon-spin-relaxation studies of flux pinning in Bi ₂ Sr ₂ CaCu ₂ O ₈ and Pb _{0.7} Bi _{1.3} Sr ₂ CaCu ₂ O ₈ . <i>Physical Review B</i> , 1993 , 47, 8172-8186	3.3		41

1479	Quantum tunneling of flux lines in single-crystal Bi ₂ Sr ₂ CaCu ₂ O ₈ with columnar defects. <i>Physical Review B</i> , 1993 , 47, 3457-3460	3.3	66
1478	Flux pinning by Y ₂ BaCuO ₅ precipitates and field- and temperature-driven pinning centers in melt-powder-melt-growth processed YBa ₂ Cu ₃ O ₇ . <i>Physical Review B</i> , 1993 , 48, 13922-13938	3.3	84
1477	Determination of the intergrain critical-current distribution for polycrystalline (Tl,Pb)(Ba,Sr) ₂ Ca ₂ Cu ₃ O _y superconductors from ac-susceptibility data. <i>Physical Review B</i> , 1993 , 47, 8096-8104	3.3	14
1476	Magnetic-field-dependent surface resistance and two-level critical-state model for granular superconductors. <i>Physical Review B</i> , 1993 , 47, 470-483	3.3	119
1475	Solid phase epitaxy of Bi ₂ Sr ₂ CaCu ₂ O _x superconducting thin films. <i>Journal of Applied Physics</i> , 1993 , 73, 4080-4082	2.5	5
1474	Vortex properties of YBa ₂ Cu ₃ O ₇ superconducting thin films: Irreversible magnetization and the effect of thickness. <i>Physical Review B</i> , 1993 , 48, 13911-13921	3.3	18
1473	Critical current density and magnetic properties of a melt-processed Y _{0.8} Ho _{0.2} Ba ₂ Cu ₃ O _y superconductor. <i>Journal of Applied Physics</i> , 1993 , 74, 5096-5100	2.5	10
1472	ac low-frequency magnetic measurement of the proximity effect between fine filaments of superconducting NbTi wires. <i>Journal of Applied Physics</i> , 1993 , 73, 1873-1881	2.5	1
1471	. <i>IEEE Transactions on Applied Superconductivity</i> , 1993 , 3, 1378-1381	1.8	5
1470	Magnetic forces for type II superconductors in a levitation field. <i>Journal of Applied Physics</i> , 1993 , 73, 1198-1204	2.5	16
1469	Upper critical field of gold-doped YBa ₂ Cu ₃ O ₇ - delta. <i>Physical Review B</i> , 1993 , 47, 6177-6179	3.3	2
1468	Lower critical fields, critical currents, and flux creep in Pb ₂ Sr ₂ R _{1-x} Ca _x Cu ₃ O _{8+y} (R=Y,Dy) single crystals. <i>Physical Review B</i> , 1993 , 47, 8212-8223	3.3	13
1467	Effect of transport currents on the critical state of YBa ₂ Cu ₃ O ₇ - delta thin films. <i>Physical Review B</i> , 1993 , 48, 13192-13195	3.3	17
1466	Giant magnetostriction in Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystal in the superconducting state and its mechanism. 1993 , 70, 2166-2169		156
1465	. <i>IEEE Transactions on Applied Superconductivity</i> , 1993 , 3, 134-137	1.8	2
1464	Identifying the loss of critical current density in YBa ₂ Cu ₃ O ₇ thin films. <i>Physical Review B</i> , 1993 , 47, 8377-8380	3.3	36
1463	Comparative study of pinning and creep in Tl ₂ Ba ₂ CaCu ₂ O ₈ and Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystals. <i>Physical Review B</i> , 1993 , 48, 10575-10578	3.3	12
1462	ac response of the vortex system in a Pr _{1.85} Ce _{0.15} CuO _{4-y} single crystal. <i>Physical Review B</i> , 1993 , 47, 15250-15255	3.3	45

1461	Observation of a mixed vortex chains-vortex lattice phase in tilted magnetic fields in YBa ₂ (Cu _{1-x} Al _x) ₃ O _{7-δ} single crystals. <i>Physical Review B</i> , 1993 , 48, 16865-16868	3.3	26
1460	Application of the Bean critical-state model for superconductors to demagnetizing interactions. <i>Journal of Applied Physics</i> , 1993 , 73, 5842-5844	2.5	2
1459	Vanishing magnetization relaxation in the high field quantum limit in YBa ₂ Cu ₃ O _{7-δ} . 1993 , 70, 2814-2817		32
1458	Deceleration of magnetic dipoles interacting with YBa ₂ Cu ₃ O _x superconductors. <i>Journal of Applied Physics</i> , 1993 , 73, 1320-1326	2.5	2
1457	Surface barrier and lower critical field in YBa ₂ Cu ₃ O _{7-δ} superconductors. <i>Physical Review B</i> , 1993 , 48, 6426-6430	3.3	46
1456	Weak links and critical current density in Bi ₂ Sr ₂ CaCu ₂ O _x thin films. <i>Journal of Applied Physics</i> , 1993 , 73, 3886-3889	2.5	1
1455	Critical currents of ceramic superconductors induced by pulsed magnetic fields. <i>Journal of Applied Physics</i> , 1993 , 74, 6759-6766	2.5	5
1454	. <i>IEEE Transactions on Applied Superconductivity</i> , 1993 , 3, 1643-1646	1.8	1
1453	Remanent magnetization in single crystals of YBa ₂ Cu ₃ O ₇ . <i>Journal of Applied Physics</i> , 1993 , 73, 5868-5870	2.5	3
1452	. <i>IEEE Transactions on Applied Superconductivity</i> , 1993 , 3, 1632-1635	1.8	1
1451	Low frequency and low magnetic field effects on the alternating current volume susceptibility of cuprate superconductors. <i>Journal of Applied Physics</i> , 1993 , 74, 7393-7396	2.5	1
1450	. <i>IEEE Transactions on Applied Superconductivity</i> , 1993 , 3, 1402-1405	1.8	2
1449	. <i>IEEE Transactions on Applied Superconductivity</i> , 1993 , 3, 1041-1044	1.8	5
1448	Low-temperature YBa ₂ Cu ₄ O ₈ -to-YBa ₂ Cu ₃ O ₇ decomposition process for enhanced intra- and intergrain critical current densities in Y-Ba-Cu-O/Ag composites. 1993 , 63, 687-689		1
1447	Preferred orientation of BSCCO via centrifugal slip casting. 1994 , 9, 833-836		12
1446	. 1994 , 30, 3363-3366		76
1445	The effect of Er ₂₁₁ additions on the microstructure and magnetic properties of zone-melt textured Y123. <i>Superconductor Science and Technology</i> , 1994 , 7, 72-79	3.1	39
1444	Current density perpendicular to the tape plane: magnetic behaviour of silver-sheathed (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _x tapes for H // tape. <i>Superconductor Science and Technology</i> , 1994 , 7, 926-930	3.1	4

1443	Field sweep rate dependence of DC and AC magnetization: comparisons with flux creep and dynamic magnetization models. <i>Superconductor Science and Technology</i> , 1994 , 7, 944-948	3.1	4
1442	Anisotropic superconducting properties of a Tl-2223 single crystal studied by transport measurements. <i>Superconductor Science and Technology</i> , 1994 , 7, 126-132	3.1	12
1441	Microstructure and superconductivity in YBa ₂ Cu ₃ O _{7-x} ceramics deformed at high temperatures: II. Magnetic and transport data. <i>Superconductor Science and Technology</i> , 1994 , 7, 707-712	3.1	2
1440	Penetration of a slowly rotating field into a superconductor in the mixed state. <i>Superconductor Science and Technology</i> , 1994 , 7, 849-854	3.1	8
1439	High-T _c superconducting film in a transverse AC magnetic field: losses and effect of lower critical field. <i>Superconductor Science and Technology</i> , 1994 , 7, 423-426	3.1	3
1438	Collective pinning and the magnetization of the Bean critical state. 1994 , 6, L149-L154		4
1437	Modulation Dependence and Mechanism of Microwave Absorption in Granular YBa ₂ Cu ₃ O _x . 1994 , 33, 103-111		12
1436	Magnetic shielding and harmonic generation in high-T _c superconducting tubes. <i>Superconductor Science and Technology</i> , 1994 , 7, 949-955	3.1	9
1435	A study of Bi-Pb-Sr-Ca-Cu-O/Ag tape prepared by the jelly-roll process. <i>Superconductor Science and Technology</i> , 1994 , 7, 470-472	3.1	7
1434	Measurements of critical currents as a function of temperature in YBa ₂ Cu ₃ O _{7-x} thin films: a comparative study. <i>Superconductor Science and Technology</i> , 1994 , 7, 195-205	3.1	7
1433	Enhanced flux pinning via chemical substitution in bulk superconducting Tl-2212. <i>Superconductor Science and Technology</i> , 1994 , 7, 227-233	3.1	8
1432	Peak Effect in Untwinned YBa ₂ Cu ₃ O _{7-δ} Single Crystals. 1994 , 25, 225-230		55
1431	Double and Triple Peaks in the a.c. Losses of Some Superconductors. 1994 , 25, 539-543		16
1430	Influence of hydrogenation on inter- and intragranular critical currents in YBa ₂ Cu ₃ O ₇ <i>Journal of Applied Physics</i> , 1994 , 76, 2357-2360	2.5	1
1429	Flux creep through columnar defects. <i>Physical Review B</i> , 1994 , 50, 9484-9490	3.3	7
1428	Postgrowth annealing of YBa ₂ Cu ₃ O _{7-x} thin films in an electron cyclotron resonance oxygen plasma. 1994 , 65, 3011-3013		3
1427	Comment on "Vanishing magnetization relaxation in the high field quantum limit in YBa ₂ Cu ₃ O _{7-δ} ". 1994 , 73, 2275		3
1426	Magnetic susceptibilities, critical fields, and critical currents of Co- and Zn-doped YBa ₂ Cu ₃ O ₇ . <i>Physical Review B</i> , 1994 , 49, 1417-1426	3.3	45

1425	Effects of fluxon dynamics on higher harmonics of ac susceptibility in type-II superconductors. <i>Physical Review B</i> , 1994 , 50, 3189-3199	3-3	48
1424	Dynamic characteristics of the anomalous second peak in the magnetization curves of Bi-Sr-Ca-Cu-O. <i>Physical Review B</i> , 1994 , 49, 1548-1551	3-3	137
1423	Magnetocaloric effects in YBa ₂ Cu ₃ O _{7-δ} : Evidence for a surface barrier. 1994 , 72, 3429-3432		4
1422	Pb-doping effect on irreversibility fields of HgBa ₂ Ca ₂ Cu ₃ O _{8+δ} superconductors. 1994 , 65, 2105-2107		22
1421	Low-field diamagnetic response of granular superconductors at finite temperatures. <i>Physical Review B</i> , 1994 , 49, 12311-12314	3-3	7
1420	ac-susceptibility study of the 110-K superconducting phase of Bi-Sr-Ca-Cu-O. <i>Physical Review B</i> , 1994 , 49, 13082-13088	3-3	42
1419	Critical-state-model parameters of polycrystalline YBa ₂ Cu ₃ O ₇ : Critical current in thin slabs and field penetration in hollow cylinders. <i>Physical Review B</i> , 1994 , 50, 9548-9553	3-3	6
1418	Magnetization scaling on thick YBa ₂ Cu ₃ O _{7-x} single crystals. <i>Physical Review B</i> , 1994 , 49, 1484-1487	3-3	21
1417	Critical current of a lateral Josephson junction for layered superconductors. <i>Physical Review B</i> , 1994 , 50, 7026-7031	3-3	
1416	Enhancement of persistent currents in Bi ₂ Sr ₂ CaCu ₂ O ₈ tapes with splayed columnar defects induced with 0.8 GeV protons. 1994 , 64, 3331-3333		141
1415	Study on the properties of Sn-added YBCO prepared by the powder melting process. <i>Journal of Applied Physics</i> , 1994 , 76, 2954-2959	2.5	12
1414	Synthesis of superconducting Pb-doped HgBa ₂ CaCu ₂ O _y films by laser ablation and post-annealing. 1994 , 65, 743-745		17
1413	Irreversibility line for a Pb-doped Hg-Ba-Ca-Cu-O superconductor. 1994 , 64, 1301-1303		28
1412	Anisotropy of the magnetic properties of c-axis-aligned HgBa ₂ Ca ₂ Cu ₃ O _{8+δ} powders. <i>Physical Review B</i> , 1994 , 50, 517-522	3-3	11
1411	Peak effect and scaling of irreversible properties in untwinned Y-Ba-Cu-O crystals. <i>Physical Review B</i> , 1994 , 49, 4403-4406	3-3	182
1410	Flux creep and harmonic generation. <i>Physical Review B</i> , 1994 , 49, 1466-1469	3-3	19
1409	Multiple peaks in the ac susceptibility of untwinned Y-Ba-Cu-O single crystals: A manifestation of the peak effect. <i>Physical Review B</i> , 1994 , 50, 16001-16007	3-3	30
1408	Thickness dependence of the irreversibility line in YBa ₂ Cu ₃ O ₇ epitaxial thin films. <i>Physical Review B</i> , 1994 , 50, 3307-3311	3-3	11

1407	Influence of hole filling by Hf and hole doping by Ca on the superconductivity and flux pinning of YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 1994 , 49, 6299-6304	3-3	18
1406	Flux-flow phenomena and current-voltage characteristics of Josephson-junction arrays with inductances. <i>Physical Review B</i> , 1994 , 49, 9118-9124	3-3	24
1405	Confirmation of the modified Bean model from simulations of superconducting vortices. 1994 , 72, 1268-1271		62
1404	Transition temperature and irreversibility line of cobalt-doped single-crystal YBa ₂ Cu ₃ O _{7-δ} : The effect of high-pressure oxygen annealing. <i>Physical Review B</i> , 1994 , 50, 16028-16032	3-3	14
1403	Magnetic dynamic hysteresis of a resistively shunted Josephson-junction array. <i>Physical Review B</i> , 1994 , 50, 10342-10345	3-3	9
1402	First flux-penetration fields in L ₂ -xCe _x CuO _{4-y} single crystals. <i>Physical Review B</i> , 1994 , 50, 3256-3265	3-3	8
1401	Comparative study of the peak effect in YBa ₂ Cu ₃ O _{7-δ} single crystals by transport and magnetic measurements. <i>Physical Review B</i> , 1994 , 49, 15420-15423	3-3	25
1400	Irreversibility line in YBa ₂ Cu ₃ O ₇ thin films: Correlation of transport and magnetic behavior. <i>Physical Review B</i> , 1994 , 49, 6270-6279	3-3	57
1399	Effects of transport current and columnar defects on the rf penetration depth of NbSe ₂ . <i>Physical Review B</i> , 1994 , 50, 1329-1332	3-3	14
1398	Rotational vortex-flux characteristics of a type-II superconductor. <i>Physical Review B</i> , 1994 , 50, 3435-3437	3-3	15
1397	Reducing vortex motion in YBa ₂ Cu ₃ O ₇ crystals with splay in columnar defects. <i>Physical Review B</i> , 1994 , 50, 4102-4105	3-3	107
1396	Magnetization of a superconductor: Results from the critical-state model. <i>Physical Review B</i> , 1994 , 50, 15978-15992	3-3	12
1395	Effect of sample shape on the low-field peak in the magnetization of YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 1994 , 50, 13024-13026	3-3	16
1394	Integral-equation approach for the Bean critical-state model in demagnetizing and nonuniform-field geometries. <i>Physical Review B</i> , 1994 , 50, 6923-6928	3-3	19
1393	Preparation of epitaxial TlBa ₂ Ca ₂ Cu ₃ O ₉ high T _c thin films on LaAlO ₃ (100) substrates. 1994 , 65, 1451-1453		10
1392	Flux motion in thin superconductors with inhomogeneous pinning. <i>Physical Review B</i> , 1994 , 50, 16684-16707	3-3	81
1391	ac susceptibility near the superconducting transition in polycrystalline YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 1994 , 49, 9168-9175	3-3	5
1390	Effect of sample shape on hysteresis loops of YBa ₂ Cu ₃ O _{7-x} single crystals. <i>Physical Review B</i> , 1994 , 49, 9222-9225	3-3	9

1389 . **1994**, 30, 1160-1162

1388 Lower critical fields in an ellipsoid-shaped YBa₂Cu₃O_{6.95} single crystal. *Physical Review B*, **1994**, 50, 4213-4215

1387 . **1994**, 30, 1855-1858

1386 Flux pinning barriers in two-dimensional arrays of short Josephson junctions. **1994**, 193, 491-497

1385 Intrinsic critical current of Ag-clad (Bi,Pb)₂Sr₂Ca₂Cu₃O_z tapes. **1994**, 7, 809-812

1384 Shielding current density in Mg-doped YBCO-123 as determined by a.c. magnetic-susceptibility measurements. **1994**, 16, 1941-1946

1383 Investigation of critical state in melt processed YBa₂Cu₃O_{7- δ} thick films. **1994**, 34, 671-677

1382 Irradiation effects on the YBa₂Cu₃O_{7- δ} superconducting compound. **1994**, 59, 597-599

1381 Plasma-enhanced fluorination of YBa₂Cu₃O_{7- δ} ceramics. *Journal of Materials Science*, **1994**, 29, 4225-4231

1380 Magnetic flux noise in copper oxide superconductors. **1994**, 94, 15-61

1379 Magnetic properties of proximity-induced superconducting matrix in multifilamentary wires. **1994**, 94, 219-237

1378 Research in semi-continuous high magnetic fields. *Physica B: Condensed Matter*, **1994**, 201, 217-226

1377 The lower critical field of U₆Fe. *Physica B: Condensed Matter*, **1994**, 194-196, 1561-1562

1376 Magnetostriction and thermal expansion of high temperature superconductors. *Physica B: Condensed Matter*, **1994**, 194-196, 1787-1788

1375 The wall thickness dependence of the full penetration field of YBCO polycrystalline hollow cylinders and the generalized critical state model. *Physica B: Condensed Matter*, **1994**, 194-196, 1833-1834

1374 Scaling features in M-H loops of YBa₂Cu₃O_{7-x} single crystal. *Physica B: Condensed Matter*, **1994**, 194-196, 1883-1884

1373 Magnetic measurements on Tl-2212 and Bi-2212 single crystals: A comparative study. *Physica B: Condensed Matter*, **1994**, 194-196, 1885-1886

1372 Fishtails and anisotropy in underdoped LaSrCuO single crystals. *Physica C: Superconductivity and Its Applications*, **1994**, 233, 67-76

1371	The effect of potential contact position on AC loss measurements in superconducting BSCCO tape. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 233, 203-208	1.3	86
1370	Critical state model: comparison of transverse and elongated geometries. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 219, 67-70	1.3	23
1369	Shielding currents and current-voltage characteristics of Bi ₂ Sr ₂ Ca ₁ Cu ₂ O ₈ + δ single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 219, 99-108	1.3	21
1368	Superconducting properties of Pb-free and Pb-substituted bulk ceramics of Bi-2212 cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 219, 167-175	1.3	17
1367	New members in the family of Hg and Tl based superconductors Hg _{1-x} Tl _x Ba ₂ (Ca _{0.86} Sr _{0.14}) ₂ Cu ₃ O ₈ + δ <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 234, 19-23	1.3	12
1366	Low-field microwave magnetoabsorption in granular HTSC materials. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 234, 173-184	1.3	12
1365	Preparation and characterization of the Ga doped Bi-Sr-Ca-Cu-O system. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 227, 291-299	1.3	9
1364	Synthesis and characterization of a new mercury-based superconductor, Hg _{0.5} Tl _{0.5} Ba ₂ Ca _{1-x} Sr _x Cu ₂ O ₆ + δ <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 231, 4-8	1.3	13
1363	Critical currents and irreversibility lines in HgBa ₂ (Ca _{1-x} Sr _x) ₂ Cu ₃ O ₈ + δ and Hg _{0.5} Tl _{0.5} Ba ₂ (Ca _{1-x} Sr _x) ₂ Cu ₃ O ₈ + δ <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 231, 21-25	1.3	6
1362	Effects of composition and processing on the superconductivity of La _{1+z} Ba _{2-z} Cu ₃ O _y . <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 231, 80-90	1.3	42
1361	Nonlinear diffusion in hard and soft superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 231, 147-156	1.3	31
1360	A contribution to the analysis of the current-density distribution in elongated hard type-II superconductors with rectangular cross-section. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 228, 1-14	1.3	23
1359	Anomalous field dependence of the critical current and flux creep rate in Pb/Ge multilayers. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 228, 42-48	1.3	1
1358	δ peaks, flux pinning, and the irreversibility line in high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 228, 85-90	1.3	8
1357	Inter- and intragrain AC response of the granular superconductors K ₃ C ₆₀ and Rb ₃ C ₆₀ . <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 228, 181-189	1.3	19
1356	Measurement of the distribution of trapped flux in a Josephson-coupled medium by neutron polarimetry. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 221, 219-226	1.3	11
1355	Diverging time scales for onset of irreversibility in high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 224, 213-220	1.3	24
1354	The hysteresis of magnetization in the generalized critical-state model Low-field approximation. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 224, 345-356	1.3	6

1353	AC susceptibility and activated energy of high-T _c superconductor HgBa ₂ Ca ₂ Cu ₃ O _{8+x} . <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 232, 10-14	1.3	15
1352	AC losses in (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _x tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 225, 79-82	1.3	2
1351	Comparison between transport and magnetically induced critical-current density in high-T _c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 225, 136-142	1.3	7
1350	Mutually perpendicular magnetic fields parallel to a slab a test case for the critical state model. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 227, 176-182	1.3	16
1349	Synthesis and magnetic characterization of (Tl _{0.5} Pb _{0.5})Sr ₂ Ca ₂ Cu ₃ O ₉ and Tl ₂ Ba ₂ CaCu ₂ O ₈ bulk superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 219, 413-419	1.3	19
1348	Mechanically induced flux pinning in (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _x tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 219, 429-434	1.3	29
1347	AC susceptibility study in the 85 K phase of the Bi-Sr-Ca-Cu-O system. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 230, 51-60	1.3	24
1346	A new method to determine the critical current density of superconducting thin films based on magneto-optic measurements. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 230, 128-134	1.3	18
1345	Determination of current and flux distribution in squares of thin-film high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 229, 289-300	1.3	42
1344	Equilibrium magnetic properties and Meissner expulsion of magnetic flux in Bi ₂ Sr ₂ CaCu ₂ O _x single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 222, 203-211	1.3	91
1343	Irreversibility effects in polycrystalline high-T _c superconductors studied by AC susceptibility. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 222, 212-218	1.3	4
1342	Scaling properties of the magnetization curves of the DyBa ₂ Cu ₃ O _y crystal prepared by the melt-textured growth method. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 222, 267-270	1.3	10
1341	Macro turbulence in high-T _c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 222, 361-366	1.3	47
1340	Surface barrier effect of isothermal magnetization of grain-aligned HgBa ₂ Ca ₂ Cu ₃ O ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 234, 207-210	1.3	9
1339	Flux penetration in spheroid samples [critical state model with field-dependent critical current density. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 224, 155-167	1.3	19
1338	Influence of field inhomogeneity on the magnetization of YBCO films. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 225, 337-345	1.3	10
1337	Analysis of magnetic relaxation in type-II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 229, 17-28	1.3	10
1336	Shielding effects in ceramic superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 229, 105-112	1.3	14

1335	Magnetic levitation of YBa ₂ Cu ₃ O _y single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 230, 349-353	1.3	13
1334	Intergranular properties of YBCO and BSCCO ceramic superconductors at low fields. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 230, 361-370	1.3	14
1333	Critical state and AC loss of a granular superconductor in a superposed AC and DC field. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 220, 33-40	1.3	8
1332	The shape of magnetic hysteresis curves of YBa ₂ Cu ₃ O _{7-x} single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2821-2822	1.3	1
1331	Magnetic properties of infinite-layer superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2863-2864	1.3	5
1330	Sandpile representation of the Bean state. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2917-2918	1.3	3
1329	Magnetostriction relaxation in high-T _c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2925-2926	1.3	4
1328	The critical state of superconducting strip in perpendicular magnetic field as revealed by moving ESR-probe. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2935-2936	1.3	2
1327	Interaction between parallel magnetic fields and transport currents in YBCO superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2989-2990	1.3	2
1326	Measurement of the current density along the c-axis in silver sheathed (Bi, Pb)2Sr ₂ Ca ₂ Cu ₃ O _x tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 3029-3030	1.3	3
1325	Measurements of J _c and E-J characteristics on sections of a melt-textured YBCO single grain with a concentration gradient of 211 distribution. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 3039-3040	1.3	1
1324	The critical state model parameters of polycrystalline YBa ₂ Cu ₃ O ₇ : Critical current in thin slabs and field penetration in hollow cylinders. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 3079-3080	1.3	
1323	NMR study of the critical state in superconducting Tl ₂ Ba ₂ CuO _{6+x} . <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 3089-3090	1.3	
1322	Novel simple method to determine critical current density of superconductor in the critical state. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 3093-3094	1.3	
1321	Modelling of AC- susceptibility data of YBa ₂ Cu ₃ O _{7-x} thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 3211-3212	1.3	3
1320	AC losses of Ag-sheathed (Bi,Pb)2Sr ₂ Ca ₂ Cu ₃ O _x superconducting wires. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 3231-3232	1.3	9
1319	Influence of lead substitution on the magnetic irreversibility line of 2212 superconducting single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 223, 259-266	1.3	3
1318	Critical current density of TlBa ₂ Ca ₂ Cu ₃ O ₉ thin films on MgO (100) in magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 223, 391-395	1.3	7

1317	Flux creep from columnar defects in high-T _c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 197-200	1.3	4
1316	Magnetic and microstructural investigations of Tl2223 ceramics. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 963-964	1.3	
1315	Magnetic properties of YBa ₂ (Cu _{1-x} M _x) ₃ O ₇ (M=Zn, Ni) superconducting compounds. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1589-1590	1.3	
1314	The penetration length λ , the bulk critical field H _{c1} , and the geometrical barrier in Tl ₂ Ba ₂ CaCu ₂ O ₈ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1805-1806	1.3	
1313	Comparative study of superconducting K ₂ CsC ₆₀ , Rb ₃ C ₆₀ and Rb ₂ CsC ₆₀ . <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2503-2504	1.3	
1312	Magnetic irreversibility in superconductors characterised by shielding current density. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2753-2754	1.3	7
1311	Stabilization of the high phase in the Bi _{1.6} Pb _{0.3} M _{0.1} Sr ₂ Ca ₂ Cu ₃ O _y () superconducting system. 1994 , 23, 137-141		
1310	Vision of HTS applications at GE: HTS generator. 1994 , 2, 149-154		5
1309	Enhancement in flux pinning by Ca in YSrBaCu _{2.95} Ga _{0.05} O _{6+z} . 1994 , 2, 373-375		
1308	Intergranular and intragranular current distribution in sintered ybco from transport and inductive measurements. 1994 , 2, 71-91		5
1307	Hybrid high T _c superconducting magnetic bearings for flywheel energy storage system. 1994 , 2, 457-464		37
1306	Calculation of the magnetization of anisotropic superconductors with cylindrical geometry in transverse fields. 1994 , 2, 41-46		20
1305	Losses in high temperature superconductors as a function of applied field and Frequency. 1994 , 2, 689-695		15
1304	Magnetic characterization of pressed AG-sheathed BSCCO (2223) tapes. 1994 , 34, 801-804		5
1303	Magnetic field in the vicinity of BSCCO tapes carrying transport current. 1994 , 34, 805-808		26
1302	Fabrication of melt textured YBa ₂ Cu ₃ O ₇ samples. 1994 , 34, 837-841		2
1301	Electrodynamics of the type II superconductors. Theory of the microwave losses. 1994 , 90, 447-450		2
1300	Microwave absorption in non- and hydrogenated La _{1.85} Sr _{0.15} CuO ₄ high-T _c superconductor. 1994 , 89, 875-878		5

1299	Virgin response of field induced microwave absorption in the high T _c ceramic superconductor BSCCO [RSJ model. 1994 , 90, 809-811		3
1298	High field magnetization study of YBa ₂ Cu ₄ O ₈ . 1994 , 89, 783-787		
1297	Effect of oxygen pressure on the orientation of films deposited on (102) Al ₂ O ₃ substrates. 1994 , 238, 123-126		2
1296	Critical state models for flux-pinning-induced magnetostriction in type-II superconductors. <i>Journal of Applied Physics</i> , 1994 , 76, 4776-4786	2.5	82
1295	Vortex flux creep and its hysteretic changes with magnetic field in a type-II superconductor. 1994 , 131, L1-L4		1
1294	A new mercury-based superconductor with A T _c of 132 K [Hg _{0.5} Tl _{0.5} Ba ₂ (Ca _{1-x} Sr _x) ₂ Cu ₃ O _{8+δ}] 1994 , 29, 959-964		20
1293	Neutron tomography: Principles and realization. 1994 , 75, 291-299		
1292	Flux trapping and its effect on AC susceptibility of granular superconductors. 1994 , 17, 595-606		1
1291	Non-resonant RF and microwave response: A novel technique for the characterization of superconducting materials. 1994 , 17, 1271-1285		
1290	Flux dynamics of YBCO/Ag composite. 1994 , 17, 153-162		4
1289	. 1994 , 30, 64-72		45
1288	Transmission electron microscopic and critical current density investigations of decomposed YBa ₂ Cu ₄ O ₈ . <i>Superconductor Science and Technology</i> , 1994 , 7, 551-557	3.1	4
1287	Flux creep in superconducting films: An exact solution. 1994 , 73, 178-181		99
1286	Vortices in high-temperature superconductors. <i>Reviews of Modern Physics</i> , 1994 , 66, 1125-1388	40.5	5015
1285	A heuristic, general, field-dependent critical-current model for the magnetic properties of type-II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 233, 165-178	1.3	3
1284	Thin superconductors in a perpendicular magnetic ac field: General formulation and strip geometry. <i>Physical Review B</i> , 1994 , 49, 9024-9040	3.3	247
1283	Interpretation of hysteresis curves and Henkel plots by the Preisach model (invited). <i>Journal of Applied Physics</i> , 1994 , 75, 5677-5682	2.5	32
1282	Thickness dependence on the superconducting properties of thin Nb films. <i>Physical Review B</i> , 1994 , 49, 15235-15240	3.3	51

1281	Susceptibility Study of Site Selective Doped Fullerenes - K ₂ RbC ₆₀ , Rb ₃ C ₆₀ , K ₂ CsC ₆₀ , and Rb ₂ CsC ₆₀ . 1994 , 349, 301		4
1280	AC Susceptibility Investigations of Superconducting Doped Fullerenes AxC ₆₀ . 1994 , 245, 327-332		
1279	MODELLING AC LOSSES IN HIGH-TEMPERATURE SUPERCONDUCTORS AS A NONLINEAR DIFFUSION PROCESS. 1995 , 14, 269-273		4
1278	Enhanced flux pinning and critical currents by Hf and Hf-Ca substitution in YBa ₂ Cu ₃ O ₇ \square 1995 , 35, 61-65		9
1277	Superconducting coupling device. 1995 , 35, 567-572		6
1276	Flux creep in proximity-induced superconducting matrix in NbTi multifilamentary wires. 1995 , 35, 189-193		1
1275	Synthesis, electrical and magnetic properties of nanocrystalline Ag _x HgBa ₂ CuO ₄ + \square (x = 0, 0.02) superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 254, 15-20	1.3	7
1274	Studies of magnetic characterization and critical current density in Rb ₃ C ₆₀ . <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 255, 105-112	1.3	2
1273	Investigation of current flow in high temperature superconducting thick films. 1995 , 3, 47-53		2
1272	Flux pinning and critical currents by Mo-substitution in YBa ₂ Cu ₃ O ₇ \square 1995 , 3, 357-363		5
1271	A.c. loss measurements in high-tc superconductors. 1995 , 3, 339-349		11
1270	Identification of stacking faults with flux pinning in powder melting processed YBa ₂ Cu ₃ O _y . 1995 , 149, 669-676		1
1269	A comparison of ac loss, magnetization, H _r and U ₀ for Bi:2212 wires, crystals and melt grown samples. 1995 , 3, 521-533		4
1268	Energy dissipation in high temperature ceramic superconductors. 1995 , 3, 509-520		23
1267	Neutron tomography experiments for the study of trapped flux distributions in high-Tc superconducting ceramics. <i>Physica B: Condensed Matter</i> , 1995 , 213-214, 990-992	2.8	8
1266	Properties of Ba ₂ YCu ₃ O ₇ \square filaments directionally solidified by the laser-heated floating zone technique. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 241, 92-102	1.3	7
1265	Modelling of the hysteresis loop for YBa ₂ Cu ₃ O ₇ \square thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 241, 63-70	1.3	6
1264	Low-field magnetic susceptibility studies of high-Tc superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 241, 167-180	1.3	31

1263	The low-field AC susceptibility of type-II superconducting thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 241, 375-379	1.3	25
1262	Influences of inter- and intragrain current systems on the total magnetization in (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _{10+x} superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 242, 267-276	1.3	12
1261	An experimental study of flux pinning and flux dynamics in a system with two types of pinning centre. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 242, 68-80	1.3	17
1260	Magnetic properties of Y _{1-x} Gd _x Ba ₂ Cu ₃ O _{7-δ} polycrystals. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 242, 155-163	1.3	10
1259	Critical state of an YBa ₂ Cu ₃ O _x strip in a perpendicular magnetic field as revealed by a scanning ESR probe. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 242, 333-341	1.3	14
1258	DC magnetic field effects for ceramic YBa ₂ Cu ₃ O _{7-δ} using isothermal AC susceptibility. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 243, 139-152	1.3	4
1257	Flux dynamics in a single-crystal YBa ₂ Cu ₃ O _{7-δ} sample. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 243, 381-388	1.3	3
1256	Dynamic and static shielding in a resistively shunted Josephson junction array. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 244, 123-128	1.3	5
1255	Critical current densities in K ₃ C ₆₀ /Rb ₃ C ₆₀ powders determined from AC/DC susceptibility measurements. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 245, 6-11	1.3	14
1254	Screening properties of superconducting random composites. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 245, 261-269	1.3	3
1253	Particle-size dependence of modulated microwave absorption in powdered BiSrCaCuO superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 246, 104-112	1.3	6
1252	Levitation-force measurements and field mapping of melt-processed YBa ₂ Cu ₃ O _{7-δ} ceramics. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 247, 280-288	1.3	14
1251	Simple frictional model for interacting vortices in an isotropic type-II superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 247, 243-251	1.3	3
1250	Irreversibility lines of EuBa ₂ Cu ₃ O _{7-δ} films bombarded by 230 MeV Au ¹⁴⁺ ions criterion dependence. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 247, 206-214	1.3	8
1249	Intergranular critical state in uniform Josephson junction arrays. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 250, 107-120	1.3	16
1248	Experimental analysis of the magnetic field shielding and trapping properties of bulk melt-processed YBa ₂ Cu ₃ O _{7-δ} . <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 249, 171-180	1.3	12
1247	Nonlinear AC susceptibility and critical current of (Y _{1-x} Pr _x)Ba ₂ Cu ₃ O _{7-δ} ceramics. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 249, 78-86	1.3	10
1246	AC losses of Ag-sheathed (Bi, Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _x monofilamentary and multifilamentary tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 249, 157-165	1.3	40

1245	Magnetization study of polycrystalline $\text{YBa}_2\text{Al}_x\text{Cu}(3-x)\text{O}_7$ ($x = 0.05, 0.10$ and 0.20) compounds. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 250, 331-339	1.3	4
1244	Theoretical study of superconducting film response to AC magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 249, 25-32	1.3	8
1243	Study of flux behavior in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ single crystal in external magnetic fields up to 1 T. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 249, 339-349	1.3	23
1242	NMR study of the critical state in superconducting $\text{Tl}_2\text{Ba}_2\text{CuO}_6+x$. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 250, 39-42	1.3	1
1241	Field and temperature dependent transport and magnetic properties of superconducting $\text{YNi}_2\text{B}_2\text{C}$. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 251, 183-191	1.3	4
1240	Hysteresis and eddy-current losses of Ag sheathed $(\text{Bi}, \text{Pb})_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_x$ rod-form wires under AC transport currents. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 251, 325-329	1.3	14
1239	Fundamental and harmonic susceptibilities of an oxide superconductor synthesized by the polymerized complex method. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 252, 275-281	1.3	7
1238	Enhanced irreversibility field and current stabilization by Pb substitution in aligned Tl -1223 high- T_c superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 253, 357-366	1.3	6
1237	Flux pinning improvement in Bi-2212 silver sheathed tapes with submicron SrZrO_3 inclusions. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 253, 391-400	1.3	48
1236	Influence of fluorine in magnetic properties of Hg-1223 high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 254, 1-6	1.3	18
1235	Exponential field dependence of critical current density of underdoped $(\text{La}_{1-x}\text{Sr}_x)_2\text{CuO}_4$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 254, 213-221	1.3	18
1234	Rotational magnetic measurements of vortex pinning in polycrystalline type-II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 254, 323-330	1.3	16
1233	Proximity-effected magnetization in short NbTi multifilamentary wires. 1995 , 35, 637-643		
1232	Influence of fluorination on the transport properties of some series of materials. 1995 , 72, 165-170		8
1231	Evidence of collective flux creep in $\text{YBa}_2\text{Cu}_3\text{O}_7$ thin film. 1995 , 93, 811-815		1
1230	Superconductivity of gallium in confined geometries. 1995 , 94, 635-641		9
1229	Mechanical and AC loss properties in mono-and multi-filamentary Bi-223 Ag-sheathed tapes. 1995 , 24, 1839-1842		2
1228	The magnetic behavior of U_6Fe in the superconducting state. 1995 , 140-144, 1357-1358		

1227	Magnetization of granular HTSCs in strong fields. 1995 , 147, 186-188		
1226	Magnetic properties of YBa ₂ (Cu _{1-x} M _x) ₃ O _{7-δ} (M = Cr, Ni, Zn and Al) superconducting materials. 1995 , 140-144, 1307-1308		
1225	Geometry effect on the nonlinear magnetic response of YBa ₂ Cu ₃ O _{7-δ} . 1995 , 45, 261-269		
1224	Properties of high-temperature superconductors: New considerations in measurements. 1995 , 21-79		1
1223	Measurement and analysis of lateral forces between magnets and high-T _c superconductors. <i>Journal of Applied Physics</i> , 1995 , 77, 770-778	2.5	6
1222	Amplitude and frequency dependence of hysteresis loss in a magnet-superconductor levitation system. <i>Journal of Applied Physics</i> , 1995 , 78, 2097-2100	2.5	15
1221	Magnetic flux pinning in Y-Ba-Cu-O superconductor containing thermally diffused impurities. <i>Journal of Applied Physics</i> , 1995 , 77, 2634-2636	2.5	1
1220	Use of a phase-sensitive detector for measuring losses in superconductors as a function of frequency. 1995 , 66, 3284-3288		2
1219	Investigation of the temperature dependence of the critical state in melt processed YBa ₂ Cu ₃ O _{7-δ} thick films. <i>Journal of Applied Physics</i> , 1995 , 77, 2067-2072	2.5	5
1218	Electric field in superconductors with rectangular cross section. <i>Physical Review B</i> , 1995 , 52, 15442-15453	3.3	185
1217	Nonlinear U(j) dependence determined directly from low-electric-field E-j _s curves in YBa ₂ Cu ₃ O _{7-δ} thin films. <i>Physical Review B</i> , 1995 , 52, 4583-4587	3.3	21
1216	. <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 705-708	1.8	5
1215	Current and field pattern in rectangular and inhomogeneous superconductors. <i>Physical Review B</i> , 1995 , 52, 10375-10389	3.3	82
1214	Pinch Effect in Commensurate Vortex-Pin Lattices. 1995 , 74, 2788-2791		49
1213	Relaxation of persistent current and the energy barrier U _{eff} (J) close to T _c in a grain-aligned YBa ₂ Cu ₃ O _{7-δ} ring. <i>Physical Review B</i> , 1995 , 51, 11806-11818	3.3	19
1212	Microscopic derivation of magnetic-flux-density profiles, magnetization hysteresis loops, and critical currents in strongly pinned superconductors. <i>Physical Review B</i> , 1995 , 52, 10441-10446	3.3	53
1211	Discontinuity lines in rectangular superconductors with intrinsic and extrinsic anisotropies. <i>Physical Review B</i> , 1995 , 52, 15621-15626	3.3	16
1210	Paramagnetism and scaling behavior of volume flux pinning force density in a GdBa ₂ Cu ₃ O _{6+x} thin film. <i>Journal of Applied Physics</i> , 1995 , 78, 3287-3292	2.5	6

1209	Investigation of the temperature dependence of the critical state in melt processed YBa ₂ Cu ₃ O _{7-δ} thick films. <i>Journal of Applied Physics</i> , 1995 , 77, 2607-2612	2.5	2
1208	. <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 2188-2191	1.8	6
1207	Implications of magnetic-hysteresis-loop scaling in high-temperature superconductors. <i>Physical Review B</i> , 1995 , 51, 8513-8520	3.3	83
1206	Reversible and irreversible magnetization of the Chevrel-phase superconductor PbMo ₆ S ₈ . <i>Physical Review B</i> , 1995 , 52, 12931-12938	3.3	34
1205	Universal behavior of susceptibility in the 110 K phase of the Bi-Pb-Sr-Ca-Cu-O system. <i>Physical Review B</i> , 1995 , 52, 13605-13610	3.3	3
1204	. <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 1962-1965	1.8	9
1203	. <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 1884-1887	1.8	6
1202	Magnetic and transport measurements of Tl-1223 superconductors. <i>Journal of Applied Physics</i> , 1995 , 77, 5287-5292	2.5	14
1201	Investigation of the dB/dH effect using trapped flux in type-II superconductors. <i>Physical Review B</i> , 1995 , 52, 12895-12910	3.3	4
1200	Structure and relaxation of the trapped magnetic flux in Y-Ba-Cu-O superconductors in magnetic fields below the first critical field H _{c1} . <i>Physical Review B</i> , 1995 , 51, 3824-3831	3.3	6
1199	Frequency dependence of the local ac magnetic response in type-II superconductors. <i>Physical Review B</i> , 1995 , 52, 12541-12544	3.3	40
1198	Some consequences of flux avalanches in type-II superconductors. <i>Physical Review B</i> , 1995 , 52, 494-505	3.3	7
1197	. <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 709-712	1.8	29
1196	. <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 2011-2014	1.8	4
1195	. <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 1876-1879	1.8	10
1194	Analysis of the current-voltage characteristics and transport critical current density of superconducting YBa ₂ Cu ₃ O _{7-δ} -deltain the self-field approximation. <i>Superconductor Science and Technology</i> , 1995 , 8, 497-503	3.1	22
1193	Effects of Mg doping on the superconducting properties of YBa ₂ Cu ₃ O _{7-δ} and La _{1.85} Sr _{0.15} CuO ₄ systems. <i>Superconductor Science and Technology</i> , 1995 , 8, 409-414	3.1	23
1192	. <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 1321-1324	1.8	1

1191	Magneto-optical investigations of superconductors. <i>Superconductor Science and Technology</i> , 1995 , 8, 199-213	3.1	235
1190	Swift, Heavy Ions in Insulating and Conducting Oxides: Tracks and Physical Properties. 1995 , 20, 22-28		32
1189	YBa ₂ Cu ₃ O _{7-δ} /n MgO films grown by pulsed organometallic beam epitaxy and a grain boundary junction application. 1995 , 10, 2700-2707		9
1188	Magnetisation and flux dynamics in oxygen deficient TmBa ₂ /Cu ₃ /O _{7-δ} . <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 1367-1370	1.8	
1187	Intergrain magnetization in high temperature superconductors. <i>Superconductor Science and Technology</i> , 1995 , 8, 783-790	3.1	2
1186	Highly reproducible high critical current density in partial-melt Bi ₂ Sr ₂ CaCu ₂ O _y /Ag tapes fabricated by electrophoretic deposition. <i>Superconductor Science and Technology</i> , 1995 , 8, 32-40	3.1	20
1185	Magnetic Properties of Partial Melt (Tl 0.5 Pb 0.5)(Ba x Sr 0.8) ₂ Ca ₂ Cu ₃ O _y (. 1995 , 12, 561-564		
1184	Temperature dependences of the critical current density and the pinning potential near the irreversibility temperature in YBa ₂ Cu ₃ O _{7-δ} . <i>Superconductor Science and Technology</i> , 1995 , 8, 806-810	3.1	1
1183	Depinning current for flux lines in Ag/BSCCO superconducting tapes. <i>Superconductor Science and Technology</i> , 1995 , 8, 904-908	3.1	8
1182	Magnetization and hysteresis of melt-textured YBa ₂ Cu ₃ O _{7-x} in a crossed flux configuration. <i>Superconductor Science and Technology</i> , 1995 , 8, 519-524	3.1	16
1181	Critical current density of La _{1.85} Sr _{0.15} Cu _{1-y} VyO _{4-δ} ceramics. <i>Superconductor Science and Technology</i> , 1995 , 8, 883-886	3.1	2
1180	Use of magnetosensitive microwave absorption in a search for new superconducting phases. <i>Superconductor Science and Technology</i> , 1995 , 8, 368-373	3.1	11
1179	Finite difference modelling of magnetic characteristics of high-T _c superconductive ceramics. <i>Superconductor Science and Technology</i> , 1995 , 8, 579-585	3.1	3
1178	High-field behaviour of the magnetic response of a hard superconducting thin disc and application to hysteresis loops of YBa ₂ Cu ₃ O _{7-δ} thin films. <i>Superconductor Science and Technology</i> , 1995 , 8, 647-651	3.1	3
1177	A probe for measuring magnetic field profiles inside superconductors from 4.2 K to T _C in high magnetic fields. 1995 , 6, 1349-1355		3
1176	Magnetic Relaxation in K ₃ C ₆₀ Superconductors Prepared with Potassium Hydride. 1995 , 34, 4774-4778		2
1175	Magnetic Flux Distribution Induced by Pulsed Magnetic Field in Quench-and-Melt-Grown YBa ₂ Cu ₃ O _{7-δ} . 1995 , 34, L810-L813		5
1174	Gold substitution and superconductivity in YBa ₂ Cu ₃ O _{7-x} Au. 1995 , 224, 274-282		5

1173	High field magnetization of YBa ₂ (Cu,Zn) ₃ O _{7-δ} superconductors. 1995 , 228, 79-82		4
1172	The flux-line lattice in superconductors. 1995 , 58, 1465-1594		1010
1171	. <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 1391-1394	1.8	10
1170	. <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 1375-1378	1.8	2
1169	. <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 1599-1602	1.8	2
1168	. <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 1623-1626	1.8	3
1167	Structure and superconductivity of YBa ₂ Cu _{3-x} Sn _x O ₇ . 1996 , 242, 95-97		3
1166	Intermittently Flowing Rivers of Magnetic Flux. 1996 , 271, 1373-1374		82
1165	Properties of cathodic arc deposited high-temperature superconducting composite thin films on Ag substrates. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 270, 173-179	1.3	5
1164	ac-susceptibility study of critical current density in metal-substituted ErBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 1996 , 53, 6759-6763	3.3	9
1163	Superconductors of finite thickness in a perpendicular magnetic field: Strips and slabs. <i>Physical Review B</i> , 1996 , 54, 4246-4264	3.3	420
1162	Nanorod-Superconductor Composites: A Pathway to Materials with High Critical Current Densities. 1996 , 273, 1836-1840		486
1161	Magnetic relaxation in high-temperature superconductors. <i>Reviews of Modern Physics</i> , 1996 , 68, 911-949	40.5	613
1160	Magneto-optical study of flux penetration and critical current densities in. <i>Physical Review B</i> , 1996 , 53, 8687-8697	3.3	119
1159	AC losses in multifilamentary Bi-2223/Ag superconducting tapes. 1996 , 32, 2792-2795		13
1158	High currents in MCP BSCCO 2212 bulk material. 1996 , 32, 2724-2727		25
1157	Superconducting properties of Hg-1223 prepared by using fluorides. <i>Journal of Applied Physics</i> , 1996 , 79, 6583	2.5	
1156	The impact of tailored defects on length scales and current conduction in high-T _c superconductors. 1996 , 321-335		1

1155	Superconducting hysteresis and the Preisach model. <i>Journal of Applied Physics</i> , 1996 , 79, 6473	2.5	18
1154	Standing diffusion of electromagnetic fields in superconductors with gradual resistive transitions. <i>Journal of Applied Physics</i> , 1996 , 79, 6602	2.5	4
1153	Local ac magnetic response in Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystals. 1996 , 46, 1543-1544		2
1152	High critical current densities in (Tl _{0.5} Pb _{0.5})Sr ₂ BaxCa ₂ Cu ₃ O ₉ 1996 , 46, 1711-1712		1
1151	Low field irreversible response in the granular S.C. La _{1.8} Sr _{0.2} CuO ₄ . 1996 , 46, 1077-1078		
1150	Orientation of the flux line lattice in anisotropic superconductors. 1996 , 157-158, 671-672		1
1149	Fabrication and characterization of Y-Ba-Cu-Oxide whisker. 1996 , 31, 1-6		5
1148	Vortex pinning and columnar defects in superconducting oxides. 1996 , 107, 384-392		7
1147	Experimental techniques for pulsed magnetic fields. <i>Physica B: Condensed Matter</i> , 1996 , 216, 161-165	2.8	30
1146	Experimental study of the intergranular magnetization of (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _{10+x} superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 259, 1-9	1.3	20
1145	Dimensional crossover in the pinning of heavy-ion irradiated Bi-2212 films. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 259, 142-150	1.3	6
1144	Anomalous flux pinning and flux creep near the critical state. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 264, 172-178	1.3	6
1143	Magnetic and thermal properties of the 116 K superconductor Tl-1223. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 264, 233-249	1.3	25
1142	Thickness and roughness dependence of magnetic flux penetration and critical current densities in YBa ₂ Cu ₃ O ₇ thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 266, 235-252	1.3	55
1141	Preparation and magnetic properties of (Bi,Pb)-1212. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 268, 100-106	1.3	14
1140	Magnetization of type-II superconductors in the modified Bean model. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 268, 241-256	1.3	5
1139	Comparison of magnetically induced and transport current ac losses in silver-sheathed (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 269, 349-353	1.3	4
1138	Low field irreversibility line in (Hg _{0.66} Pb _{0.34})Ba ₂ Ca ₂ Cu ₃ O ₈ by third harmonic a.c. susceptibility measurements. 1996 , 36, 619-622		7

1137	Critical currents and irreversibility lines in $\text{Hg}_{1-x}\text{Tl}_x\text{Ba}_2(\text{Ca}_{0.86}\text{Sr}_{0.14})_2\text{Cu}_3\text{O}_{8+x}$ 1996 , 98, 185-188		1
1136	AC susceptibility of HTSC in the low field limit. 1996 , 97, 731-735		3
1135	Logarithmic $U(j)$ relationship in melt-textured growth $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ by AC susceptibility measurements. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 262, 127-134	1.3	15
1134	Lower critical field and reversible magnetization of $(\text{Bi}, \text{Pb})_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_x$ superconducting whiskers. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 256, 33-38	1.3	22
1133	Determination of the intragrain irreversible temperature T_{girr} of $\text{Bi}(2223)$ superconductor by ESR measurement. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 256, 95-104	1.3	
1132	On the magnetic study of the peak effect in the anisotropic superconductor 2H-NbSe_2 evidence for reentrant behavior. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 256, 119-141	1.3	9
1131	Influence of planar macrodefects on the anisotropy of magnetic-flux penetration in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 256, 324-330	1.3	8
1130	On the effective activation energy due to flux avalanches in the Bean state. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 256, 365-370	1.3	6
1129	Magneto-optical observation of the surface barrier in $\text{YBa}_2\text{Cu}_3\text{O}_7$ single crystals in a field along the ab crystalline plane. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 256, 319-323	1.3	4
1128	Mechanical dissipation behavior of partial melt $(\text{Tl}_{0.5}\text{Pb}_{0.5})(\text{BaxSr}_{1-x})_2\text{Ca}_2\text{Cu}_3\text{O}_y$ ($x = 0.1, 0.2$) superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 258, 153-158	1.3	3
1127	Monotonic dependence of j_c on magnetic field in twinned crystals of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ and $\text{ErBa}_2\text{Cu}_3\text{O}_{7-\delta}$ <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 257, 371-374	1.3	15
1126	Magnetic-relaxation and flux-pinning study in $\text{Tl}_{0.5}\text{Pb}_{0.5}\text{Sr}_2\text{Ca}_{1-x}\text{Pr}_x\text{Cu}_2\text{O}_y$ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 257, 367-370	1.3	2
1125	Nonlinear AC susceptibility, surface and bulk shielding. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 258, 105-120	1.3	41
1124	Mechanical investigation of flux dissipation in Hg system high- T_c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 257, 217-222	1.3	2
1123	Remanent vortex flux from rotational magnetic states of a polycrystalline superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 258, 72-76	1.3	2
1122	Levitation force of a stack of epitaxial $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ films. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 259, 151-156	1.3	11
1121	Simulation of the intergranular magnetization of $(\text{Bi}, \text{Pb})_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10+x}$ superconductors by using Josephson junction arrays. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 259, 10-26	1.3	10
1120	AC losses and critical currents in $\text{Ag}/(\text{Tl}, \text{Pb}, \text{Bi})-1223$ tape. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 260, 93-102	1.3	20

1119	Irreversibility line of YBaCuO sintered ceramics, YBaCuO single crystal and superconducting composites studied by AC susceptibility and transport measurements. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 260, 19-24	1.3	11
1118	Peculiarities of field penetration in the presence of cross-flux interaction. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 261, 81-89	1.3	1
1117	Superconductivity and magnetism of the (Hg _{0.7} Bi _{0.3})Sr ₂ (Ca _{1-x} Pr _x)Cu ₂ O _{6+x} system. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 261, 201-206	1.3	2
1116	Transport and AC susceptibility critical currents in Ag sheathed Bi(Pb)2223 tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 262, 68-74	1.3	9
1115	Magneto-depending noise of a single latent weak link in YBa ₂ Cu ₃ O _{7-x} film. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 266, 33-43	1.3	8
1114	Irreversible magnetization in thin YBCO films rotated in external magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 264, 27-33	1.3	5
1113	Critical state in a Josephson junction array: effect of transport currents. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 267, 59-66	1.3	7
1112	Vertical force, magnetic stiffness and damping for levitating type-II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 268, 46-52	1.3	50
1111	Grain growth, microstructure and magnetic behavior of YBa ₂ Cu ₃ O _{7-x} (123)-Y ₂ BaCuO ₅ (211) composites prepared by sol-gel. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 269, 22-28	1.3	1
1110	Superconductivity of gallium in porous glass. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 269, 313-324	1.3	25
1109	Superconductivity and magnetism of (Hg _{0.7} Bi _{0.3})Sr ₂ (Ca _{1-x} R _x)Cu ₂ O _{6+x} system (R=Gd, Nd and Y). <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 270, 97-106	1.3	3
1108	Nonlinear effects and anisotropy in YBa ₂ Cu ₃ O ₇ single crystals near T _c . <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 259, 365-372	1.3	7
1107	Reactive laser deposition of high quality YBaCuO and ErBaCuO films. 1996 , 96-98, 739-743		2
1106	Induced current in a Bi ₂ Sr ₂ CaCu ₂ O _x superconductor tube. 1996 , 4, 173-184		6
1105	Vortex pinning in polycrystalline Eu _{1.5} Ce _{0.5} Sr ₂ Cu ₂ NbO ₁₀ from rotational magnetic measurements. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 270, 216-222	1.3	7
1104	AC susceptibility and microstructure of alkali doped polycrystalline YBCO HTSC materials. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 271, 230-234	1.3	5
1103	Reversible suppression of the so-called fishtail effect in ultra pure single crystals of YBa ₂ Cu ₃ O _{7-x} achieved by proper oxygenation. 1996 , 105, 1023-1028		97
1102	Characterization of YBa ₂ Cu ₃ O _{7-x} thin films deposited by dc magnetron sputtering. <i>Journal of Materials Science</i> , 1996 , 31, 6137-6144	4.3	1

1101	A Study of Magnetic Properties in Y2BaCuO5-Deficient Melt-Processed YBCO. 1996 , 158, 169-177		3
1100	Induction of superconductivity in pulsed laser ablated La2CuO4 thin films by post-deposition fluorination. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 270, 305-310	1.3	13
1099	AC response of high temperature superconductors in the flux creep region. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 272, 142-150	1.3	15
1098	Growth features and intergranular connectivity of melt processed YBCO. 1996 , 4, 507-517		6
1097	On the Bean critical-state model in superconductivity. 1996 , 7, 237-247		74
1096	Fabrication of large grain YBCO by seeded peritectic solidification. 1996 , 11, 786-794		81
1095	Temperature dependence of the low-field magnetization of granular superconductors. <i>Physical Review B</i> , 1996 , 54, 4232-4238	3.3	3
1094	Magnetic and transport dc properties of inductive Josephson-junction arrays. <i>Physical Review B</i> , 1996 , 53, 11692-11713	3.3	35
1093	Monte Carlo studies of the ordering of ceramic superconductors: Chiral-glass, orbital-glass, and nonlinear susceptibilities. <i>Physical Review B</i> , 1996 , 54, 619-636	3.3	41
1092	Negative local permeability in Bi2Sr2CaCu2O8 crystals. 1996 , 76, 138-141		47
1091	Evolution from the vortex state to the critical state in a square-columnar Josephson-junction array. <i>Physical Review B</i> , 1996 , 53, 6579-6584	3.3	33
1090	Method for determining the critical-state response of superconductors in tape geometry. <i>Physical Review B</i> , 1996 , 53, 8743-8750	3.3	3
1089	Reduction of low frequency ac losses in coaxial cables of type II superconductors by a steady bias current. <i>Journal of Applied Physics</i> , 1996 , 79, 334-344	2.5	2
1088	Pinning phenomena and critical current in proton-irradiated sintered YBa2Cu3O7- delta. <i>Physical Review B</i> , 1996 , 54, 3633-3639	3.3	21
1087	Critical state of periodically arranged superconducting-strip lines in perpendicular fields. <i>Physical Review B</i> , 1996 , 54, 13215-13221	3.3	120
1086	Exponential critical state model applied to ac susceptibility data for the superconductor YBa2Cu3O7. <i>Journal of Applied Physics</i> , 1996 , 80, 3390-3395	2.5	11
1085	ac susceptibility of high-temperature superconductors. <i>Physical Review B</i> , 1996 , 54, 7536-7544	3.3	56
1084	Vortex avalanches at one thousandth the superconducting transition temperature. <i>Physical Review B</i> , 1996 , 53, 11849-11854	3.3	20

1083	Flux jumping in thin films. <i>Physical Review B</i> , 1996 , 54, 12421-12426	3-3	41
1082	Determination of the onset of bulk pinning and the low-temperature-irreversibility line in Bi2Sr2CaCu2O8+ delta. <i>Physical Review B</i> , 1996 , 53, 14594-14600	3-3	31
1081	Spatiotemporal dynamics and plastic flow of vortices in superconductors with periodic arrays of pinning sites. <i>Physical Review B</i> , 1996 , 54, 16108-16115	3-3	120
1080	Flux creep and flux jumping. <i>Physical Review B</i> , 1996 , 53, 12311-12317	3-3	55
1079	Vortex plastic flow, local flux density, magnetization hysteresis loops, and critical current, deep in the Bose-glass and Mott-insulator regimes. <i>Physical Review B</i> , 1996 , 53, R8898-R8901	3-3	80
1078	Flux-pinning mechanism of proximity-coupled planar defects in conventional superconductors: Evidence that magnetic pinning is the dominant pinning mechanism in niobium-titanium alloy. <i>Physical Review B</i> , 1996 , 53, 6638-6652	3-3	52
1077	Low-field vortex dynamics over seven time decades in a Bi2Sr2CaCu2O8+ delta single crystal for temperatures 13 . <i>Physical Review B</i> , 1996 , 53, 9286-9295	3-3	68
1076	Classification of the interlayer coupling in high-Tc cuprates from low-field magnetization studies. <i>Physical Review B</i> , 1996 , 53, 6752-6758	3-3	34
1075	Screening effect of Ohmic and superconducting planar thin films. <i>Physical Review B</i> , 1996 , 54, 3530-3544	3-3	39
1074	Numerical analysis of magnetization processes in type II superconductors based on Ginzburg-Landau theory. 1996 , 32, 1156-1159		9
1073	Energetic and thermodynamic aspects of hysteresis. 1996 , 76, 1739-1742		72
1072	Properties of niobium-titanium superconducting wires with Nb artificial pinning centers. <i>Journal of Applied Physics</i> , 1996 , 80, 1640-1646	2.5	19
1071	Remanent magnetization of ceramic and single-crystal high-Tc superconductors in tilted magnetic fields. <i>Journal of Applied Physics</i> , 1996 , 79, 1996-2002	2.5	8
1070	Flux penetration into flat superconductors of arbitrary shape: Patterns of magnetic and electric fields and current. <i>Physical Review B</i> , 1996 , 54, 3514-3524	3-3	65
1069	High-frequency vortex response of anisotropic type-II superconductors. <i>Physical Review B</i> , 1996 , 54, 6653-6674	3-3	6
1068	c-axis ac susceptibility in high-Tc superconductors. <i>Physical Review B</i> , 1996 , 54, 15478-15482	3-3	2
1067	AC Magnetic Susceptibility of Bi2Sr2CaCu2O8 Single Crystals: Interpretation of the Loss Peaks and Anisotropy of the Pinning Force. <i>Journal of the Physical Society of Japan</i> , 1996 , 65, 3274-3282	1.5	1
1066	AC Magnetic Susceptibility Measurements of Organic Superconducting Materials. 1996 , 284, 149-160		0

1065	The effect of anisotropic flux pinning microstructure on the sample length dependence of the magnetization critical current density in niobium-titanium superconductors. <i>Journal of Applied Physics</i> , 1996 , 80, 1647-1651	2.5	7
1064	Hysteresis losses in Bi-2223 superconductors. 1996 , 32, 2796-2799		1
1063	Supercritical behaviour of the mixed state of Nb-Ti in high magnetic fields. 1996 , 74, 655-661		1
1062	Calorimetric ac loss measurements of silver sheathed Bi-2223 superconducting tapes. <i>Superconductor Science and Technology</i> , 1996 , 9, 374-378	3.1	20
1061	Pulsed Field Magnetization of Melt-Processed YBaCuO Superconducting Bulk Magnet. 1996 , 35, 2114-2125		94
1060	Logarithmic AC Response in Rb3C60 Crystals. 1996 , 35, 3396-3400		1
1059	A study of the nonlinearity in magnetic response of. <i>Superconductor Science and Technology</i> , 1996 , 9, 284-289	3.1	10
1058	The ac magnetic response in type-II superconductors. 1996 , 8, L445-L453		1
1057	Penetration dynamics of a magnetic field pulse into high- superconductors. <i>Superconductor Science and Technology</i> , 1996 , 9, 1042-1047	3.1	9
1056	Characterization of monofilamentary and multifilamentary 2223-BSCCO tapes by magnetic loss measurements. <i>Superconductor Science and Technology</i> , 1996 , 9, 385-392	3.1	9
1055	Transport AC losses and nonlinear inductance in high temperature superconductors. 1996 , 32, 1518		2
1054	Effects of MgO addition on phase evolution and flux pinning of Bi-2212/Ag tapes fabricated by electrophoretic deposition and partial-melting processing. <i>Superconductor Science and Technology</i> , 1996 , 9, 368-373	3.1	32
1053	AC susceptibility study of BiPbSrCaCuO(2223) superconductors. <i>Superconductor Science and Technology</i> , 1996 , 9, 467-473	3.1	23
1052	An analytical solution for the extended critical state model. <i>Superconductor Science and Technology</i> , 1996 , 9, 734-735	3.1	3
1051	Electromagnetic and thermomagnetic properties of high- superconductor in its mixed state: the single-vortex-motion model. <i>Superconductor Science and Technology</i> , 1996 , 9, 333-346	3.1	11
1050	Self-organized criticality effect on stability: magneto-thermal oscillations in a granular YBCO superconductor. 1996 , 34, 287-292		9
1049	Analysis of Average Transport Critical Current Density of Oxide Superconductors Deposited on a Silver Base. 1996 , 35, 76-81		3
1048	Analysis of flux distributions of superconductors in the presence of structural defects. <i>Superconductor Science and Technology</i> , 1996 , 9, 271-278	3.1	20

1047	Harmonic flux penetration of superconductors in low-frequency, high-amplitude, alternating-current magnetic fields. 1997 , 9, 4437-4453		3
1046	Magnetization study of high-temperature superconductor. <i>Superconductor Science and Technology</i> , 1997 , 10, 290-297	3.1	4
1045	Linearized description of the AC susceptibility of ceramic high- superconductors. <i>Superconductor Science and Technology</i> , 1997 , 10, 749-753	3.1	2
1044	Dynamical instability of the flux front in type-II superconductors. 1997 , 39, 551-556		3
1043	Low-field magnetic relaxation study of a single crystal with planes. <i>Superconductor Science and Technology</i> , 1997 , 10, 284-289	3.1	1
1042	High- thick-film magnetic field sensor based on harmonic generation effects. 1997 , 8, 29-32		11
1041	Flux Pinning and Vortex Dynamics in K ₃ C ₆₀ Crystals. 1997 , 36, 105-109		
1040	Numerical calculations of the magnetic behaviour of a superconductor sample with finite size. <i>Superconductor Science and Technology</i> , 1997 , 10, 640-645	3.1	1
1039	AC losses in superconducting cables and their expected values in magnetic systems. <i>Superconductor Science and Technology</i> , 1997 , 10, 733-748	3.1	43
1038	Preparation of one to three unit cell thick powders and investigation of their magnetic and microwave properties. <i>Superconductor Science and Technology</i> , 1997 , 10, 818-824	3.1	27
1037	Improvement of flux pinning by thermo-mechanical treatment of Bi-2223/Ag superconducting tapes. <i>Superconductor Science and Technology</i> , 1997 , 10, 409-415	3.1	12
1036	Preparation and physical properties of the GdPr-123 system. <i>Superconductor Science and Technology</i> , 1997 , 10, 427-434	3.1	23
1035	Choice of sample size for high transport critical current density in a granular superconductor: percolation versus self-field effects. <i>Superconductor Science and Technology</i> , 1997 , 10, 758-762	3.1	8
1034	The field dependence of the microwave vortex pinning parameters: evidence for collective pinning effects and unconventional frictional damping. <i>Superconductor Science and Technology</i> , 1997 , 10, 936-943	3.1	11
1033	Magnetic relaxation on bridges between the envelopes of major hysteresis loops of type II superconductors. <i>Superconductor Science and Technology</i> , 1997 , 10, 625-639	3.1	8
1032	ac susceptibility and transport critical-current density of polycrystalline c-axis-oriented YBa ₂ Cu ₃ O _{7-δ} films: Josephson tunneling and d-wave pairing. <i>Physical Review B</i> , 1997 , 55, 1254-1261	3.3	23
1031	Magnetic levitation/suspension system by high-temperature superconducting materials. <i>Journal of Applied Physics</i> , 1997 , 81, 4272-4274	2.5	8
1030	Critical current anisotropy in conventional and artificial pinning center round wire Nb-Ti superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 1138-1141	1.8	

1029	Dynamic properties of superconducting magnetic bearings. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 924-927	1.8	30
1028	Superconducting vortex avalanches, voltage bursts, and vortex plastic flow: Effect of the microscopic pinning landscape on the macroscopic properties. <i>Physical Review B</i> , 1997 , 56, 6175-6194	3.3	81
1027	Stability and losses of levitating superconducting disks and cylinders. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 920-923	1.8	2
1026	Superconducting cylinder in a static transverse magnetic field. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 3874-3879	1.8	8
1025	Columnar defect formation in nanorod/Tl ₂ Ba ₂ Ca ₂ Cu ₃ O _z superconducting composites. 1997 , 70, 3158-3160		21
1024	Electrical and magnetic properties of superconducting-insulating Pr-doped GdBa ₂ Cu ₃ O _{7-x} . <i>Physical Review B</i> , 1997 , 56, 7894-7897	3.3	27
1023	Irreversible critical current and the anomalous magnetic-moment peak in silver-sheathed (Pb,Bi) ₂ Sr ₂ Ca ₂ Cu ₃ O _{10+y} tapes. <i>Physical Review B</i> , 1997 , 55, 630-641	3.3	33
1022	Fishtail shape in the magnetic hysteresis loop for superconductors: Interplay between different pinning mechanisms. <i>Physical Review B</i> , 1997 , 55, 3276-3284	3.3	111
1021	A scaling law for ac susceptibility of an YBa ₂ Cu ₃ O film in a perpendicular ac field. 1997 , 71, 1860-1862		5
1020	Correlation of frictional losses of spinning levitated magnets with ac susceptibility in high-temperature superconductors. 1997 , 70, 255-257		8
1019	The influence of granularity on dissipation in high temperature superconductor. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 1596-1599	1.8	8
1018	Meissner holes in superconductors. <i>Physical Review B</i> , 1997 , 56, 5622-5630	3.3	42
1017	ac response of thin superconductors in the flux-creep regime. <i>Physical Review B</i> , 1997 , 55, 12706-12718	3.3	18
1016	Power-dependent microwave properties of superconducting YBa ₂ Cu ₃ O _{7-x} films on buffered polycrystalline substrates. 1997 , 70, 3293-3295		14
1015	Flux motion during pulsed field magnetization in YBaCuO superconducting bulk magnet. <i>Journal of Applied Physics</i> , 1997 , 82, 5600-5611	2.5	53
1014	Effect of extremely fine Y ₂ BaCuO ₅ precipitates on the critical current density of melt-processed YBa ₂ Cu ₃ O _x . <i>Journal of Applied Physics</i> , 1997 , 81, 7396-7408	2.5	12
1013	Anomalous position of the maximum in magnetic hysteresis loops measured on (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ /Ag tapes. 1997 , 70, 514-516		31
1012	Energy loss in superconducting bearing systems. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 318-321	1.8	11

1011	Magnetic processes in hysteresis motors equipped with melt-textured YBCO. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 900-903	1.8	26
1010	Field-angle dependence of alternating current loss in multifilamentary high-Tc superconducting tapes. 1997 , 70, 3038-3040		40
1009	Electrical motor with bulk Y-Ba-Cu-O pellets. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 896-899	1.8	13
1008	Losses in ac of BSCCO-2223 superconducting monofilament and multifilament tapes at power frequencies. 1997 , 12, 3085-3089		
1007	Controlled processing and properties of large Pt-doped YBaCuO pseudocrystals for electromagnetic applications. 1997 , 12, 2889-2900		33
1006	Proton irradiation effects on critical current of bulk single-crystal superconducting YBCO wire. 1997 , 44, 1870-1877		
1005	Modelling HTc superconductors for AC power loss estimation. 1997 , 33, 1568-1571		27
1004	Dynamics of vibrating system containing HTS damper. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 904-907	1.8	2
1003	The influence of process parameters on the growth morphology of large-grain Pt-doped YBCO fabricated by seeded peritectic solidification. <i>Superconductor Science and Technology</i> , 1997 , 10, 435-443 ^{3.1}		27
1002	Synthesis of High Temperature Superconductive and Colossal Magneto-resistive Surfaces on Insulating Particles. 1997 , 501, 393		
1001	Chiral Glass: A New Equilibrium Phase of Ceramic High-Tc Superconductors. <i>Journal of the Physical Society of Japan</i> , 1997 , 66, 2110-2122	1.5	44
1000	Study of self-field AC losses in mono and multi-filamentary Bi-2223 tapes for power applications. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 335-338	1.8	10
999	Analysis of critical-state problems in type-II superconductivity. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 3866-3873	1.8	120
998	Electromagnetic properties in parallel conductors composed of Bi2223 multifilamentary wires for power transformer windings. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 298-301	1.8	22
997	Distribution of critical current density in large YBa ₂ /Cu ₃ O _{7-δ} grains fabricated using seeded peritectic solidification. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 1925-1928	1.8	15
996	Nanostructured high-temperature superconductors: Creation of strong-pinning columnar defects in nanorod/superconductor composites. 1997 , 12, 2981-2996		258
995	Characterization of high-temperature superconductors by AC susceptibility measurements. <i>Superconductor Science and Technology</i> , 1997 , 10, 523-542	3.1	239
994	Computational comparison of AC losses in different kinds of HTS composite conductors. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 322-325	1.8	19

993	Critical state of superconducting strip array systems in perpendicular magnetic fields. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 1216-1219	1.8	22
992	High Critical-Current Density in the Heavily Pb-Doped Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} Superconductor: Generation of Efficient Pinning Centers. 1997 , 276, 770-3		188
991	The equilibrium vortex melting transition in YBa ₂ Cu ₃ O ₇ . 1997 , 250, 609-614		2
990	AC susceptibility measurements of films with different structural qualities. 1997 , 251, 179-184		1
989	Y?Ba?Cu?O thick film preparation using multistep KrF excimer laser deposition. 1997 , 251, 228-231		4
988	Vortex pinning in a rotated YBa ₂ Cu ₃ O ₇ crystal. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 291, 8-16	1.3	41
987	Hysteresis of the transport critical current of (Tl,Pb)?(Sr,Ba)?Ca?Cu?O and Bi?Sr?Ca?Cu?O conductors: effects of temperature and magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 275, 220-230	1.3	10
986	Magnetization hysteresis loops of the granular high-T _c superconductors in the AC measurements. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 279, 233-240	1.3	3
985	Microstructural and physical properties of YBa ₂ Cu ₃ O ₇ superconductors prepared by the flame-quench-melt-growth (FQMG) method. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 279, 165-172	1.3	6
984	Critical currents and the critical state in superconductors with magnetic ions. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 280, 269-271	1.3	1
983	Seeded directional growth of superconducting bulk Y123. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 487-488	1.3	
982	Geometrical locking of the irreversible moment to the normal of a thin plate superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2223-2224	1.3	2
981	Physical characteristics of imaginary ac magnetic susceptibility of granular superconductor, Hg _{0.69} Pb _{0.31} Ba ₂ Ca ₂ Cu ₃ O _{8+δ} . <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2245-2246	1.3	1
980	Comparison of fully-reacted and partly-reacted Bi ₂ Sr ₂ CaCu ₂ O _y precursor powders. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2617-2618	1.3	7
979	Abrupt SN transition of melt textured YBCO at 77K. Application to current limitation and transport of high currents. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2623-2624	1.3	4
978	Field distribution in thin superconductors: effect of sample shape. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 289, 22-36	1.3	6
977	Flux pinning and flux creep in Sn-doped powder melting processed YBCO. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 289, 216-222	1.3	7
976	The azimuthal critical state of a superconducting hollow cylinder. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 292, 39-47	1.3	1

975	Geometrical and distributed surface barriers in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 291, 113-131	1-3	47
974	High pressure synthesis and magnetic properties for Hg _{1-x} RexBa ₂ Ca ₂ Cu ₃ O _y . <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 291, 302-308	1-3	9
973	Fast magnetic relaxation, studied by microwave absorption in neutron-irradiated YBa ₂ Cu ₃ O _{7-x} ceramic. 1997 , 39, 877-880		1
972	Pinning of pancake vortices in a three-dimensional Josephson medium and structure of the vortex lattice in the critical state. 1997 , 39, 1751-1755		1
971	Nonlinear dynamics of the critical state in hard superconductors and composites based on them. 1997 , 42, 1011-1015		1
970	Pinning of planar vortices and magnetic field penetration in a three-dimensional Josephson medium. 1997 , 42, 1019-1026		
969	Pinning of planar vortices in a three-dimensional Josephson medium and the applicability of the Bean model. 1997 , 23, 443-444		
968	Electrodynamics of hard superconductors in crossed magnetic fields. 1997 , 84, 592-598		19
967	Low field magnetic response of the granular superconductor La _{1.8} Sr _{0.2} CuO ₄ . 1997 , 85, 1138-1156		
966	Levitation force on a permanent magnet over a superconducting plane: Modified critical-state model. 1997 , 10, 137-149		6
965	Analysis of the measuring process dependent magnetization of a YBCO sample. 1997 , 10, 175-178		
964	J _c enhancement by partial melting in BSCCO 2223 ceramics. 1997 , 19, 1123-1129		4
963	Numerical evaluation of magnetic levitation force for magnet-superconductor axial symmetry systems. 1997 , 19, 1281-1286		
962	Low-temperature flux dynamics in Tl ₂ Ba ₂ Ca ₂ Cu ₃ O _x . 1997 , 19, 1309-1313		
961	Specimen geometry effects on the irreversible magnetization in the low field regime for specimens of bulk Nb ₃ Sn. 1997 , 102, 331-336		11
960	Improved critical current density and irreversibility line in HIP'ed Chevrel phase superconductor PbMo ₆ S ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 274, 295-303	1-3	8
959	A study on self-field distribution in Ag-sheathed (Bi,Pb) 2Sr ₂ Ca ₂ Cu ₃ O _x monofilamentary tape using a scanning Hall sensor magnetometry. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 275, 1-11	1-3	23
958	Study of minor hysteresis loops in the usual and anomalous superconducting regime of (Ce _{0.95} Nd _{0.05})Ru ₂ : evidence of a first-order transition. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 279, 70-78	1-3	43

957	Critical state and AC losses in multifilamentary BiSrCaCuO-2223/Ag tapes studied by transport and magnetic measurements. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 279, 39-46	1.3	14
956	Fabrication of Ag-sheathed Bi2Sr2CaCu2Ox tapes using a modified electrophoretic deposition method. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 279, 197-202	1.3	2
955	Thick superconductors in a perpendicular magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 343-346	1.3	9
954	Magnetic energy loss in polycrystalline YBa2Cu3O7 with varying oxygen content. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 1445-1446	1.3	1
953	Hysteretic and non-hysteretic a.c. losses in detwinned YBa2Cu3O7 single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2035-2036	1.3	
952	Frequency dependence of susceptibility higher harmonics in YBCO samples by numerical solutions of the non linear magnetic flux diffusion equation. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2157-2158	1.3	7
951	Frequency dependence of the higher harmonics susceptibilities of hydrogen loaded and unloaded melted YBCO samples. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2329-2330	1.3	6
950	High current driven vortex instability in YBa2Cu3O7 thin films Analysis in terms of self organized criticality. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2363-2364	1.3	12
949	Influence of superconductor properties on magnetic levitation force. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2653-2654	1.3	5
948	Magneto optical characterizations of flux dynamics in Nd?Ba?Cu?O bulk superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 281, 218-227	1.3	7
947	Self fields and current distribution due to DC transport currents on Ag-sheathed (Bi,Pb)2Sr2Ca2Cu3Ox tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 291, 188-200	1.3	18
946	Self-field hysteresis loss in periodically arranged superconducting strips. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 289, 123-130	1.3	73
945	Harmonic ac susceptibilities for textured YBa2Cu3O7. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 292, 59-64	1.3	12
944	Plastic flow, voltage noise and vortex avalanches in superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 290, 89-97	1.3	27
943	Temperature dependence of some intragranular parameters in BSCCO polycrystalline superconductors obtained through the magnetic hysteresis of Jc. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 292, 48-52	1.3	7
942	The critical current of the Chevrel phase superconductor lead-molybdenum-sulphur with gadolinium. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 291, 49-58	1.3	13
941	Flux diffusion and the porous medium equation. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 291, 132-142	1.3	8
940	Synthesis and superconducting properties of fluorinated La2CuO4 using NH4F. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 291, 59-66	1.3	9

939	In-situ growth of superconducting YBa ₂ Cu ₃ O ₇ - thin films at low oxygen partial pressures. 1997 , 303, 128-135	5
938	Slow magnetic flux diffusion in type-II superconductors. 1997 , 103, 399-401	4
937	New memory effects detected in field-modulated microwave absorption of magnetized YBa ₂ Cu ₃ O ₇ powders. 1997 , 103, 559-562	
936	Magnetic Measurements of Critical Currents in Ag-BPSCCO Tapes: A Comparison. 1997 , 161, 251-256	2
935	Comprehensive Study of Pr-Doped GdBa ₂ Cu ₃ O ₇ System. 1997 , 163, 157-176	11
934	Generalized critical state model in high-T _c superconductors. 1997 , 37, 421-430	18
933	Self-field a.c. losses in mono- and multi-filamentary Bi-2223/Ag tapes at power frequencies. 1997 , 37, 633-635	7
932	The critical state in YBa ₂ Cu ₃ O ₇ is high temperature superconductor. 1997 , 37, 555-557	3
931	A.C. magnetization characteristics of Nd ₁₂₃ bulk superconductors. 1997 , 37, 643-647	7
930	Inductive high-T _c superconducting fault current limiter based on Bi-2212 tube. 1997 , 37, 667-670	1
929	Determination of critical current density in high temperature superconducting thin films in case of inductive measurements. 1998 , 38, 177-180	1
928	Analytical expressions of AC magnetic susceptibility for some critical state models of superconductor. 1998 , 38, 763-777	8
927	Magneto-thermal transition in YBCO melt textured materials. 1998 , 38, 1237-1242	7
926	Magnetostriction of the high-temperature non-cuprate superconductor BaBiKO. 1998 , 40, 1091-1095	4
925	Self-organization of the critical state in a chain of SQUIDs. 1998 , 68, 719-725	2
924	Magneto-optical characterization of Nd _{0.33} Eu _{0.33} Gd _{0.33} Ba ₂ Cu ₃ O ₇ superconductors. 1998 , 6, 193-198	4
923	Precession of spinning magnets levitated over high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 295, 304-329	1.3 6
922	Relaxation of local magnetization of single-crystalline Bi ₂ Sr ₂ CaCu ₂ O ₈ at low temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 298, 289-298	1.3 1

921	High-resolution magneto-optical imaging of critical currents in YBa ₂ Cu ₃ O _{7-x} thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 299, 215-230	1.3	111
920	Magnetostriction due to flux pinning in polycrystalline YNi ₂ B ₂ C. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 299, 1-8	1.3	19
919	Material parameters of YBa ₂ Cu ₃ O _y in the Kim-Anderson critical-state model. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 305, 125-138	1.3	14
918	Effect of a systematic variation of Nd ₄ Ba ₂ Cu ₂ O ₁₀ content on the magnetic properties of melt processed NdBa ₂ Cu ₃ O _{7-x} superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 305, 103-113	1.3	8
917	Self-field AC losses of textured Bi ₂ Sr ₂ CaCu ₂ O _{8-x} thin rods. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 310, 71-75	1.3	3
916	Harmonic emission at microwave frequencies in Ba _{0.6} K _{0.4} BiO ₃ crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 309, 8-16	1.3	6
915	AC magnetic susceptibility of Bi ₂ 223-system. 1998 , 177-181, 547-548		1
914	Solution of Thin Film Magnetization Problems in Type-II Superconductivity. 1998 , 144, 180-193		56
913	Two-Phase Microstructures Generating Efficient Pinning Centers in the Heavily Pb-Substituted Bi ₂ Sr ₂ CaCu ₂ O _{8-x} Single Crystals. 1998 , 138, 98-110		46
912	The magnetization curves and flux creep in high-temperature superconductors. 1998 , 107, 39-42		
911	Pulsed laser deposition and characterization of high-T _c YBa ₂ Cu ₃ O _{7-x} superconducting thin films. 1998 , 22, 113-185		71
910	Superconducting properties of chill-cast YNi ₂ B ₂ C. <i>Physica B: Condensed Matter</i> , 1998 , 246-247, 425-428	2.8	1
909	Influence of an external magnetic field on the current-voltage characteristics and transport critical current density. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 294, 203-216	1.3	31
908	Effect of surface barriers and lower critical fields to magnetization of type-II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 295, 101-125	1.3	21
907	Universal behaviour of ac susceptibility of granular (Bi _{1.2} Pb _{0.3})Sr _{1.5} Ca ₂ Cu ₃ O _y superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 295, 277-286	1.3	11
906	Flux pinning and flux creep in La _{2-x} Sr _x CuO ₄ with splayed columnar defects. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 296, 57-64	1.3	10
905	Fishtail effect, magnetic properties and critical current density of Gd-added PMP YBCO. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 297, 75-84	1.3	25
904	Comparison of the pinning and the bulk currents in the critical state of a type-II superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 297, 153-160	1.3	2

903	Nonlinear flux diffusion in type-II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 297, 269-276	1.3	5
902	AC susceptibility of (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _y /Ag tape in perpendicular ac fields. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 299, 71-76	1.3	10
901	Effects of low-energy neutron irradiation on Bi-based superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 299, 77-82	1.3	8
900	Transient response of a high-temperature superconductor tube to pulsed magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 302, 57-66	1.3	19
899	Influence of Nd ₄ Ba ₂ Cu ₂ O ₁₀ phase inclusions on flux penetration in melt-textured NdBa ₂ Cu ₃ O ₇ superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 302, 167-175	1.3	2
898	Superconducting properties of natural and artificial grain boundaries in bulk melt-textured YBCO. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 302, 257-270	1.3	65
897	Superconductivity of Nb-substituted Bi-2223 superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 304, 293-306	1.3	9
896	Comparative study of global and local magnetization measurements on single crystalline high-Tc superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 303, 191-201	1.3	5
895	Possibility of a first-order transition in the magnetization study of the anomalous superconducting mixed state of CeRu ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 304, 43-50	1.3	6
894	Enhancement of critical current density in HgBa ₂ Ca ₂ Cu ₃ O ₈ + δ superconductor doped by Sb. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 304, 133-145	1.3	9
893	Harmonic emission at microwave frequencies in YBa ₂ Cu ₃ O ₇ single crystals near T _c . <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 305, 75-84	1.3	20
892	Magnetic hysteresis in high-temperature cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 308, 147-160	1.3	10
891	Study of harmonic generation in Hg(Tl)BaCaCuO thin film. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 306, 218-222	1.3	2
890	Calculation of AC losses in HTSC wires with arbitrary current voltage characteristics. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 310, 42-47	1.3	25
889	Experimental study on AC losses in Ag sheathed PbBi ₂ 223 tapes with twist filaments. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 310, 147-153	1.3	22
888	The similarities in loss creation in LTS and HTS cables. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 310, 218-224	1.3	16
887	Generic phase diagram for vortex matter via a study of peak effect phenomenon in crystals of 2H-NbSe ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 308, 25-32	1.3	26
886	Effect of overdoping on the irreversibility field and critical current density of the HgBa ₂ Ca ₂ Cu ₃ O ₈ + δ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 307, 202-208	1.3	22

885	Frequency dependence of the intergranular AC loss peak in a high-Tc Bi(Pb)SrCaCuO bulk superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 309, 131-137	1.3	29
884	Heating due to AC losses in high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 308, 215-220	1.3	8
883	Critical current anisotropy in YBCO superconducting samples. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 309, 284-294	1.3	7
882	Processing and properties of large grain (RE)BCO. 1998 , 53, 1-10		228
881	Investigation of the controlled growth of large undoped and Pt-containing YBCO pseudo-crystals. 1998 , 53, 45-53		21
880	Processing, Y2BaCuO5 distribution and critical current density in large grain Pt-doped YBCO. 1998 , 53, 79-85		14
879	Losses in magnetic bearings. 1998 , 53, 193-197		9
878	Homogeneity of superconducting properties in SmBa2Cu3O7 seeded melt processed YBCO. 1998 , 53, 169-173		4
877	Response of high-Tc superconductor to time-increasing magnetic field. 1998 , 4, 625-633		4
876	The effect of Ag-doping on the magnetic behaviour of Bi(Pb)SrCaCuO ceramic superconductors. 1998 , 269, 1-6		10
875	Numerical modelling of superconductor materials using an anisotropic Kim law. 1998 , 34, 3064-3067		8
874	Superconductor disks and cylinders in an axial magnetic field. I. Flux penetration and magnetization curves. <i>Physical Review B</i> , 1998 , 58, 6506-6522	3.3	262
873	Anomalous peak effect in CeRu2 and 2H-NbSe2: Fracturing of a flux line lattice. <i>Physical Review B</i> , 1998 , 58, 995-999	3.3	99
872	Synthesis, Structure, and Magnetic Characterization of Pulsed Laser-Ablated Superconducting La2CuO4-x Thin Films. 1998 , 10, 3146-3155		12
871	Superconductor disks and cylinders in an axial magnetic field: II. Nonlinear and linear ac susceptibilities. <i>Physical Review B</i> , 1998 , 58, 6523-6533	3.3	92
870	Method to extract the critical current density and the flux-creep exponent in high-Tc thin films using ac susceptibility measurements. <i>Physical Review B</i> , 1998 , 58, 5862-5867	3.3	49
869	Effects of Tin Addition to the Tl-Based 1223 Superconducting System. 1998 , 12, 131-141		2
868	Nonlinear Diffusion in Superconductors. 1998 , 225-303		1

867	Magnetic flux penetration and creep in BSSCO-2223 composite ceramics. <i>Superconductor Science and Technology</i> , 1998 , 11, 94-100	3.1	14
866	Re-entrant peak effect in an anisotropic superconductor 2H NbSe_2 : Role of disorder. 1998 , 44, 91-97		15
865	Preparation of (Tl,Pb)-1223 multilayer tapes by use of an electrophoretic technique. <i>Superconductor Science and Technology</i> , 1998 , 11, 227-230	3.1	1
864	Effects of Flux Creep on the Magnetization Curves of High-Temperature Superconductors. 1998 , 15, 450-452		
863	Manufacture of high critical current multifilamentary tapes using the wire-in-tube technique. <i>Superconductor Science and Technology</i> , 1998 , 11, 696-701	3.1	2
862	Magnetic response of superconductors in various geometries. <i>Superconductor Science and Technology</i> , 1998 , 11, 921-924	3.1	5
861	Effect of the configuration of the trapped flux on the decay rate of remanent magnetic moments in type II superconductors. <i>Superconductor Science and Technology</i> , 1998 , 11, 359-368	3.1	9
860	Origin of vortex melting line in Bi2223/Ag tapes. <i>Superconductor Science and Technology</i> , 1998 , 11, 941-944		1
859	Magnetic field distributions in a remanent state of screen-printed tapes with different superconductor geometries. <i>Superconductor Science and Technology</i> , 1998 , 11, 399-407	3.1	8
858	Visualization of magnetic flux distribution in Bi(Pb)-2223/Ag multifilamentary tapes. <i>Superconductor Science and Technology</i> , 1998 , 11, 1017-1023	3.1	8
857	Simulation of magnetic relaxation measurements of tetragonal and thin films. <i>Superconductor Science and Technology</i> , 1998 , 11, 1241-1250	3.1	1
856	Magnetic and magneto-optic characterization of the ternary compounds and. <i>Superconductor Science and Technology</i> , 1998 , 11, 1283-1291	3.1	6
855	Measuring ac losses in superconducting cables using a resonant circuit: resonant current experiment (RESCUE). <i>Superconductor Science and Technology</i> , 1998 , 11, 1306-1310	3.1	1
854	Effects of the reaction time on various properties of tapes. <i>Superconductor Science and Technology</i> , 1998 , 11, 485-495	3.1	32
853	Preparation of (Bi,Pb)-2223 wires by an electrophoretic technique. <i>Superconductor Science and Technology</i> , 1998 , 11, 520-522	3.1	
852	Synthesis of high-temperature superconductive and colossal magnetoresistive surfaces on insulating particles. 1998 , 72, 1451-1453		6
851	Quantitative investigation of the de Haas-van Alphen effect in the superconducting state. <i>Physical Review B</i> , 1998 , 57, 11698-11712	3.3	57
850	Magnetic flux profiles in Bi _{1.2} Pb _{0.3} Sr _{1.5} Ca ₂ Cu ₃ O _y and NdBa ₂ Cu ₃ O ₇ superconductors and a simulation by critical-state models. <i>Physical Review B</i> , 1998 , 57, 1277-1283	3.3	5

849	Collective flux creep: Beyond the logarithmic solution. <i>Physical Review B</i> , 1998 , 58, 15067-15077	3.3	21
848	Manifestation of history-dependent critical currents via dc and ac magnetization measurements in single crystals of CeRu ₂ and 2H _{1-x} NbSe ₂ . <i>Physical Review B</i> , 1998 , 57, R11069-R11072	3.3	62
847	Magnetic properties of UPt ₃ in the superconducting state. <i>Physical Review B</i> , 1998 , 57, 3640-3649	3.3	23
846	Enhanced levitation forces with field cooled YBa ₂ Cu ₃ O _{7-δ} 1998 , 72, 3059-3061		19
845	Direct current voltage increment due to ac coupling in a high T _c superconducting coil. 1998 , 73, 3932-3934		5
844	Corrugation Flux Front Instability in Type-II Superconductors. 1998 , 80, 2441-2444		16
843	Influence of twin boundaries on the flux pinning in NdBa ₂ Cu ₃ O _y single crystals. <i>Physical Review B</i> , 1998 , 58, 9498-9503	3.3	25
842	Optimal control model for the critical state in superconductors. <i>Physical Review B</i> , 1998 , 58, 9440-9449	3.3	18
841	Imaging of supercurrent distribution in YBCO thin films using THz radiation excited by femtosecond laser pulses.		
840	Electric-charge distribution arising from Hall effects in superconducting strips. <i>Physical Review B</i> , 1998 , 58, 15099-15102	3.3	
839	Interavalanche correlations in the self-organized critical state of a multijunction superconducting quantum interference device. 1998 , 57, 1319-1326		11
838	Simple Model of Superconducting Vortex Avalanches. 1998 , 81, 3761-3764		49
837	Magnetic levitation of superconductors in the critical state. <i>Physical Review B</i> , 1998 , 58, 963-970	3.3	37
836	Reduction of flux creep by heat pulses. 1998 , 72, 112-114		6
835	Anisotropic growth morphology and platelet formation in large grain YBa ₂ Cu ₃ O _{7-δ} grown by seeded peritectic solidification. 1998 , 13, 1141-1146		6
834	Floating zone partial melting and solidification of SmBCO superconductor under low oxygen partial pressure. 1998 , 13, 2807-2818		7
833	The critical state of thin SQUID arrays. 1998 , 41, 413-418		3
832	Fluxoid dynamics methods for electromagnetic phenomena of superconductors. 1998 , 17, 541-566		1

831	Superconducting Magnets for Particle Accelerators and Storage Rings. 1999 ,		6
830	Magnetization Study on the History-Dependent Peak Effect in the Superconducting Mixed State of CeRu ₂ . <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 224-231	1.5	15
829	Measurements of the surface impedance at nonlinear response. 1999 , 171-238		
828	Flux creep in a thin disc of YBa ₂ Cu ₃ O ₇ -delta superconductor. <i>Superconductor Science and Technology</i> , 1999 , 12, 682-689	3.1	9
827	Computational comparison of magnetization losses in HTS solenoids wound of tape conductors having different aspect ratios. <i>Superconductor Science and Technology</i> , 1999 , 12, 450-455	3.1	7
826	Highly non-linear field diffusion in HTC superconducting tapes. 1999 , 18, 215-224		4
825	Magnetic-field irreversibility in superconducting with controlled distribution of holes. <i>Superconductor Science and Technology</i> , 1999 , 12, 242-247	3.1	17
824	The rotational magnetic process and effects of gamma-irradiation on vortex flux pinning in Tl-2223 at low temperatures. <i>Superconductor Science and Technology</i> , 1999 , 12, 606-609	3.1	6
823	Critical current density and flux pinning characteristics in melt-textured Y _{0.6} Er _{0.4} Ba ₂ Cu ₃ O _y superconductor. 1999 , 8, 374-382		
822	Superconductors: Processing of High-TC Bulk, Thin Film, and Wires. 1999 ,		
821	Flux noise resulting from vortex avalanches using a simple kinetic model. <i>Physical Review B</i> , 1999 , 60, 9738-9743	3.3	8
820	Small Angle Neutron Scattering and Magnetization Measurements in the Cubic (K,Ba)BiO ₃ Superconductor. 1999 , 82, 4930-4933		28
819	Disorder, metastability, and history dependence in transformations of a vortex lattice. <i>Physical Review B</i> , 1999 , 59, 6043-6046	3.3	64
818	Thermoactivated flux creep in high-temperature-superconducting rings in a low-frequency magnetic field. <i>Physical Review B</i> , 1999 , 59, 9649-9654	3.3	3
817	Measurements of AC losses in HTSC wires exposed to an alternating field using calorimetric methods. <i>IEEE Transactions on Applied Superconductivity</i> , 1999 , 9, 813-816	1.8	17
816	Flux penetration measurements and the harmonic magnetic response of hot isostatically pressed (Pb,Gd)Mo ₆ S ₈ . <i>Journal of Applied Physics</i> , 1999 , 85, 3732-3739	2.5	8
815	2-D numerical model for estimation of AC losses in High-Tc superconducting tapes. 1999 , 35, 4088-4090		4
814	Contactless characterization of melt-textured superconducting junctions using micro-Hall sensor arrays. <i>Journal of Applied Physics</i> , 1999 , 86, 6282-6286	2.5	15

813	Losses in HTS carrying AC transport currents in AC external magnetic fields. <i>IEEE Transactions on Applied Superconductivity</i> , 1999 , 9, 785-788	1.8	15
812	Nonuniversal temperature dependencies of the low-frequency ac magnetic susceptibility in high-Tc superconductors. <i>Physical Review B</i> , 1999 , 59, 11539-11550	3.3	54
811	Inferring equilibrium magnetization from hysteretic M(H) curves of type-II superconductors. <i>Physical Review B</i> , 1999 , 59, 8440-8443	3.3	10
810	Levitation force from high-Tc superconducting thin-film disks. <i>Physical Review B</i> , 1999 , 60, 9855-9861	3.3	27
809	An efficient AC susceptibility technique to study flux creep in HTS thin films. <i>IEEE Transactions on Applied Superconductivity</i> , 1999 , 9, 2639-2642	1.8	6
808	Intragranular and intergranular superconducting properties of bulk melt-textured YBCO. <i>IEEE Transactions on Applied Superconductivity</i> , 1999 , 9, 2308-2311	1.8	13
807	Peak effect on magnetic hysteresis in oxygen-overdoped single crystals of Tl ₂ Ba ₂ CuO _{6+δ} . <i>Physical Review B</i> , 1999 , 59, 13632-13634	3.3	8
806	Simulation and calibration of an open inductive sensor for pulsed field magnetization measurements. 1999 , 70, 2708-2710		6
805	Metastability and switching in the vortex state of 2H-NbSe ₂ . 1999 , 74, 126-128		38
804	Temperature dependence of the lower critical field of high-Tc superconducting crystals near T _c . <i>Physical Review B</i> , 1999 , 60, 4370-4377	3.3	9
803	Flux turbulence in NdBa ₂ Cu ₃ O _{6+x} and underdoped YBa ₂ Cu ₃ O _{6+x} single crystals. <i>Physical Review B</i> , 1999 , 59, R6639-R6642	3.3	28
802	Observation of supercurrent distribution in YBCO thin film devices by photoexcited THz radiation. <i>IEEE Transactions on Applied Superconductivity</i> , 1999 , 9, 3038-3041	1.8	2
801	Evidence for planar pinning in heavily Pb-substituted Bi ₂ Sr ₂ CaCu ₂ O _{8+y} single crystals. <i>Physical Review B</i> , 1999 , 60, R9951-R9954	3.3	10
800	Relaxation of the transport critical current in high-Tc polycrystals. <i>Physical Review B</i> , 1999 , 60, 3673-3679	3.3	17
799	Reduction of AC loss in Ag sheathed PbBi ₂ 223 tapes with twisted filaments in external and self-fields. <i>IEEE Transactions on Applied Superconductivity</i> , 1999 , 9, 1177-1180	1.8	6
798	Influence of demagnetizing effects in superconducting cylinders. <i>IEEE Transactions on Applied Superconductivity</i> , 1999 , 9, 2195-2198	1.8	16
797	Numerical study of the frequency and temperature dependence of the ac magnetic susceptibility in presence of a static magnetic field in HTS. <i>IEEE Transactions on Applied Superconductivity</i> , 1999 , 9, 2223-2226	1.8	3
796	Mechanism of vortex motion in high-temperature superconductors. 1999 , 62, 187-236		40

795	CRITICAL CURRENT IN THE HIGH-T _c GLASS MODEL. 1999 , 10, 1335-1345		
794	The magnetic field and temperature dependent transport critical current density of Hg-Pb-Bi-Ca-Cu-O ceramic compounds. <i>IEEE Transactions on Applied Superconductivity</i> , 1999 , 9, 1771-1774 ^{1,8}		3
793	Microwave Third Harmonic Emission by Ba _{0.6} K _{0.4} BiO ₃ Crystals. 1999 , 13, 1163-1168		2
792	Computer modelling of type II superconductors in applications. <i>Superconductor Science and Technology</i> , 1999 , 12, 518-522	3.1	66
791	Nonequilibrium behaviour in the field-cooled magnetization of the C15 Laves-phase superconductor CeRu ₂ . 1999 , 109, 427-432		7
790	Magnetic field sensor based on second harmonic response of polycrystalline YBCO pellets. 1999 , 55, 222-226		14
789	High pressure synthesis of Hg1223 superconductor under highly oxidizing atmosphere. 1999 , 19, 1543-1546		2
788	The AC loss evaluation of central solenoid model coil for CFETR. 2016 , 107, 100-107		11
787	Higher critical current density achieved in Bi-2223 High-T _c superconductorsPeer review under responsibility of The Egyptian Society of Radiation Sciences and Applications.View all notes. 2016 , 9, 345-351		13
786	The synthesis and magnetic structure of the iron selenide Ba _{0.8} Fe ₂ Se ₂ . 2016 , 667, 012003		
785	Block copolymer self-assembly-directed synthesis of mesoporous gyroidal superconductors. 2016 , 2, e1501119		81
784	High-field paramagnetic Meissner effect and flux creep in low-T _c TiV alloy superconductors. <i>Superconductor Science and Technology</i> , 2016 , 29, 025003	3.1	2
783	Relaxation and pinning in spark-plasma sintered MgB ₂ superconductor. <i>Superconductor Science and Technology</i> , 2016 , 29, 025006	3.1	12
782	Flux pinning and relaxation in FeSe _{0.5} Te _{0.5} single crystals. <i>Superconductor Science and Technology</i> , 2016 , 29, 035006	3.1	15
781	Phase Evolution of Superconducting Sn _{1-x} Bi _x Solder Alloys. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-4	1.8	7
780	. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	3
779	Improved Method for Determining the κ -Value of HTS Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-4	1.8	5
778	Observation of superconductivity in hydrogen sulfide from nuclear resonant scattering. 2016 , 351, 1303-6		88

777	Operational research on a high-Tc rectifier-type superconducting flux pump. <i>Superconductor Science and Technology</i> , 2016 , 29, 035015	3.1	31
776	Robust superconductivity and transport properties in $(\text{Li}_{1-x}\text{Fe}_x)\text{OHFeSe}$ single crystals. 2016 , 59, 1		14
775	Fabrication of Nb-sheathed $\text{FeSe}_{0.5}\text{Te}_{0.5}$ tape by an ex-situ powder-in-tube method. 2016 , 664, 218-222		7
774	Bianisotropic-critical-state model to study flux cutting in type-II superconductors at parallel geometry. <i>Superconductor Science and Technology</i> , 2016 , 29, 045004	3.1	
773	The Magnetic Relaxation of MgB_2 Thin Films Grown by Hybrid Physical-Chemical Vapor Deposition. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-4	1.8	
772	Microstructural Properties and Magnetic Testing of Spot-Welded Joints Between NbTi Filaments. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-4	1.8	1
771	Effect of Cooling Rate on Structure, Composition, and Superconducting Properties of $\text{FeTe}_{0.6}\text{Se}_{0.4}$ Prepared by Self-Flux Technique. 2016 , 29, 1187-1192		2
770	Ripple Field AC Losses in 10-MW Wind Turbine Generators With a MgB_2 Superconducting Field Winding. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	8
769	Microstructure and superconducting properties of SnIn and SnInBi alloys as Pb-free superconducting solders. <i>Superconductor Science and Technology</i> , 2016 , 29, 015012	3.1	16
768	Microstructural connectivity in sintered ex-situ MgB_2 bulk superconductors. 2016 , 656, 172-180		11
767	Numerical Impact of Using Different E_{cs} - J_c Relationships for 3-D Simulations of AC Losses in MgB_2 Superconducting Wires. 2016 , 52, 1-4		7
766	Synthesis, phase stability, structural, and physical properties of 11-type iron chalcogenides. 2017 , 254, 1600149		12
765	Numerical simulation on the flux avalanche behaviors of microstructured superconducting thin films. <i>Journal of Applied Physics</i> , 2017 , 121, 023902	2.5	10
764	Simulation and experiments of stacks of high temperature superconducting coated conductors magnetized by pulsed field magnetization with multi-pulse technique. <i>Superconductor Science and Technology</i> , 2017 , 30, 014010	3.1	19
763	Effects of proton irradiation on flux-pinning properties of underdoped $\text{Ba}(\text{Fe}_{0.96}\text{Co}_{0.04})_2\text{As}_2$ pnictide superconductor. 2017 , 694, 1371-1375		2
762	. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-4	1.8	
761	Fabrication and Physical Properties of Polycrystalline Iron-Chalcogenides Superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	9
760	Decoupling and tuning competing effects of different types of defects on flux creep in irradiated $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ coated conductors. <i>Superconductor Science and Technology</i> , 2017 , 30, 015010	3.1	20

759	Magnetic Susceptibility and High Field Magneto-transport of Silver-Added Bi-2223 Superconductor: a Revisit. 2017 , 30, 1737-1747		2
758	The investigation of magnetic levitation performances of single grain YBCO at different temperatures. 2017 , 705, 247-252		10
757	A Consistent Simulation of Electrothermal Transients in Accelerator Circuits. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	12
756	Doping-dependent critical current properties in K, Co, and P-doped BaFe ₂ As ₂ single crystals. <i>Physical Review B</i> , 2017 , 95,	3.3	39
755	A portable magnetic field of >3 T generated by the flux jump assisted, pulsed field magnetization of bulk superconductors. 2017 , 110, 062601		31
754	Tunable pinning effects produced by non-uniform antidot arrays in YBCO thin films. 2017 , 529, 1600283		10
753	Universal lower limit on vortex creep in superconductors. 2017 , 16, 409-413		30
752	Neutron stars in the laboratory. 2017 , 26, 1730015		29
751	Magnetization of YBCO film with ac travelling magnetic waves of relatively short wavelengths. 2017 , 110, 072601		17
750	Improved Superconducting Properties by Graphene Doping of Bulk MgB ₂ Prepared by the Diffusion Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	1
749	Enhanced transport critical current density in Sn-added SmFeAsO _{1-x} F _x tapes prepared by the PIT method. <i>Superconductor Science and Technology</i> , 2017 , 30, 065004	3.1	6
748	Effect of Ag Addition on Microstructure and Raman Vibrational Modes of Bulk FeSe. 2017 , 30, 3117-3122		14
747	MgB ₂ -based superconductors for fault current limiters. 2017 , 171, 012144		1
746	Role of Aniline Addition in Structural and Superconducting Properties of MgB ₂ Bulk Superconductor. 2017 , 30, 2735-2740		4
745	The Effects of Structural, Thermal, and Magnetic Properties of Hexylbenzene-Doped MgB ₂ Superconductor. 2017 , 30, 1727-1736		3
744	Scaling law for voltage-current curve of a superconductor tape with a power-law dependence of electric field on a magnetic-field-dependent sheet current density. <i>Physica C: Superconductivity and Its Applications</i> , 2017 , 538, 32-39	1.3	7
743	Two methods of AC loss calculation in numerical modelling of superconducting coils. <i>Superconductor Science and Technology</i> , 2017 , 30, 064005	3.1	10
742	The effect of Y substitution on Bi-2212 superconductor by sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 12598-12605	2.1	3

741	Untangling surface oxygen exchange effects in YBaCuO thin films by electrical conductivity relaxation. 2017 , 19, 14129-14140		9
740	Levitation Force Maximization in HTS Magnetic Bearings Formulated by a Semianalytical Approach. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-11	1.8	3
739	Does the pelletization pressure modify the effective anisotropy of the grains in (Bi,Pb)2223 bulk system?. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 13058-13069	2.1	3
738	Superconducting Levitation Applied To Urban Transportation. 2017 , 1-18		14
737	Low temperature decomposition of metal borohydride drives autogenous synthesis of MgB ₂ . <i>Superconductor Science and Technology</i> , 2017 , 30, 055004	3.1	7
736	Effects of heavy-ion irradiation on FeSe. <i>Physical Review B</i> , 2017 , 95,	3.3	14
735	. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	22
734	Analytical method for levitation force calculation of radial HTS magnetic bearings. 2017 , 11, 369-377		11
733	Vortex glass state in the isovalent optimally doped pnictide superconductor BaFe ₂ (As _{0.68} P _{0.32}) ₂ . <i>Superconductor Science and Technology</i> , 2017 , 30, 055003	3.1	5
732	Magnetic Signals of High-Temperature Superconductor Bulk During the Levitation Force Measurement Process. 2017 , 187, 287-297		1
731	Enhancement of superconducting critical current density by Fe impurity substitution in NbSe single crystals and the vortex pinning mechanism. 2017 , 19, 11230-11238		15
730	Observation of flux-creep in direction opposite to the Lorentz force. <i>Superconductor Science and Technology</i> , 2017 , 30, 045006	3.1	3
729	Estimation of the Heat Dissipation and the Rotor Temperature of Superconducting Magnetic Bearing Below 10 K. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-4	1.8	9
728	Critical current and flux dynamics in Ag-doped FeSe superconductor. <i>Superconductor Science and Technology</i> , 2017 , 30, 025013	3.1	22
727	London penetration depth and thermal fluctuations in the sulphur hydride 203 K superconductor. 2017 , 529, 1600390		23
726	A new method of reconstructing current paths in HTS tapes with defects. <i>Superconductor Science and Technology</i> , 2017 , 30, 035021	3.1	10
725	Optimization of Deposition Conditions to Grow High-Quality FeBeTe Thin Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	5
724	Crystal structure and superconductivity at about 30 K in ACa ₂ Fe ₄ As ₄ F ₂ (A = Rb, Cs). 2017 , 60, 83-89		38

723	Structure and Properties of MgB ₂ Bulks, Thin Films, and Wires. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	8
722	Synthesis of Y _{1-x} Al _x Ba ₂ Cu ₃ O _{7-δ} via combustion route: Effects of Al ₂ O ₃ nanoparticles on superconducting properties. <i>Physica B: Condensed Matter</i> , 2017 , 506, 178-182	2.8	4
721	Study of the second magnetization peak and the pinning behaviour in Ba(Fe _{0.935} Co _{0.065}) ₂ As ₂ pnictide superconductor. <i>Superconductor Science and Technology</i> , 2017 , 30, 125007	3.1	11
720	A large-diameter hollow-shaft cryogenic motor based on a superconducting magnetic bearing for millimeter-wave polarimetry. 2017 , 88, 105102		12
719	Flux pinning landscape up to 25 T in SmBa ₂ Cu ₃ O _y films with BaHfO ₃ nanorods fabricated by low-temperature growth technique. <i>Superconductor Science and Technology</i> , 2017 , 30, 104004	3.1	18
718	Evidence of spontaneous vortex ground state in an iron-based ferromagnetic superconductor. 2017 , 2,		12
717	High-pressure studies of superconductivity in (hbox {BiO}_{0.75} hbox {F}_{0.25} hbox {BiS}_{2}). 2017 , 40, 1121-1125		4
716	Thermodynamics of Meissner effect and flux pinning behavior in the bulk of single-crystal La _{2-x} Sr _x CuO ₄ (x=0.09). <i>Physical Review B</i> , 2017 , 96,	3.3	6
715	Hyperbolic Maxwell Variational Inequalities for Bean's Critical-State Model in Type-II Superconductivity. 2017 , 55, 2444-2464		16
714	Numerical study on AC loss reduction of stacked HTS tapes by optimal design of flux diverter. <i>Superconductor Science and Technology</i> , 2017 , 30, 125014	3.1	15
713	Doping dependence of the vortex dynamics in single-crystal superconducting NaFe _{1-x} Co _x As. <i>Superconductor Science and Technology</i> , 2017 , 30, 105006	3.1	5
712	Transport current density at temperatures up to 25 K of Cu/Ag composite sheathed 122-type tapes and wires. <i>Superconductor Science and Technology</i> , 2017 , 30, 115007	3.1	14
711	Mapping the magnetic field generated by a supercurrent in a ring of YBa ₂ Cu ₃ O _{7-δ} 2017 , 38, 065704		
710	Magnetic field suppression of Andreev conductance at superconductor-graphene interface. 2017 , 4, 045011		3
709	Flux pinning properties in BaPb _{0.77} Bi _{0.23} O _{3-δ} compound. <i>Physica C: Superconductivity and Its Applications</i> , 2017 , 542, 23-27	1.3	2
708	AC susceptibility as a characterization tool for coated conductor tapes. <i>Superconductor Science and Technology</i> , 2017 , 30, 114001	3.1	2
707	High critical current density over 1 MA cm ⁻² at 13 T in BaZrO ₃ incorporated Ba(Fe,Co) ₂ As ₂ thin film. <i>Superconductor Science and Technology</i> , 2017 , 30, 085006	3.1	15
706	Correlations Between Magnetic Flux and Levitation Force of HTS Bulk Above a Permanent Magnet Guideway. 2017 , 189, 42-52		3

705	Improving superconductivity in BaFeAs-based crystals by cobalt clustering and electronic uniformity. 2017 , 7, 949		10
704	Optimal Control of Non-Smooth Hyperbolic Evolution Maxwell Equations in Type-II Superconductivity. 2017 , 55, 2305-2332		24
703	Demagnetization harmonic effects on the magnetization of granular systems on a macroscopic scale: the superconducting case. 2017 , 29, 425701		2
702	Improvement of Flux Pinning Properties for Hafnium-Doped Gd123 Thin Films Fabricated by a Fluorine-Free MOD Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-4	1.8	8
701	Structural and magnetic properties of the ring shaped 40 wt% Y211 added TSMG Y123 bulk superconductors welded by Ag2O added MPMG YBCO solder material. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 17098-17106	2.1	3
700	Top-seeded infiltration growth of (Y, Gd)Ba ₂ Cu ₃ O _y bulk superconductors with high critical current densities. <i>Superconductor Science and Technology</i> , 2017 , 30, 105015	3.1	8
699	Magnetic field induced emergent inhomogeneity in a superconducting film with weak and homogeneous disorder. <i>Physical Review B</i> , 2017 , 96,	3.3	17
698	Two-gap superconductivity in Ag MoS Chevrel phase. 2017 , 29, 495603		2
697	A new approach to fabricate superconducting NbTi alloys. <i>Superconductor Science and Technology</i> , 2017 , 30, 094001	3.1	13
696	Anisotropy of the magnetoresistance hysteresis in the granular superconductor Y-Ba-Cu-O at different magnetic-field and transport-current orientations. <i>Journal of Applied Physics</i> , 2017 , 122, 123902	2.5	9
695	A novel pre-sintering technique for the growth of YBaCuO superconducting single grains from raw metal oxides. <i>Superconductor Science and Technology</i> , 2017 , 30, 095001	3.1	3
694	Synthesis and Characterization of Nb Substitution on (Bi-Pb)-2223 Superconductors. 2017 , 189, 15-26		2
693	Electrical Connectivity in MgB ₂ : The Role of Precursors and Processing Routes in Controlling Voids and Detrimental Secondary Phases. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-6	1.8	6
692	Plastic pinning replaces collective pinning as the second magnetization peak disappears in the pnictide superconductor Ba _{0.75} K _{0.25} Fe ₂ As ₂ . <i>Physical Review B</i> , 2017 , 95,	3.3	21
691	Excess Conductivity Analysis of Cu _{0.5} Tl _{0.5} Ba ₂ Ca _{n-1} Cu _n O _{2n+4} (n = 2, 3, 4) Thin Films. 2017 , 30, 1493-1498		3
690	Intragranular defects and Abrikosov-Josephson vortices in Bi-2223 bulk superconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 15246-15251	2.1	1
689	Microstructural and magneto-transport properties of Bi _{1.6} Pb _{0.4} Sr ₂ Ca _{1-x} Gd _x Cu ₂ O _{8+y} superconducting ceramics. <i>Physica B: Condensed Matter</i> , 2017 , 505, 68-73	2.8	4
688	Numerical modeling of critical-state magnetization in type-II superconducting cylinders under parallel and transverse magnetic field. 2017 , 81, 107-114		1

687	Ac Magnetic Susceptibility and EPR Studies of $(\text{Co}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4) \times / (\text{Cu}_{0.5}\text{Tl}_{0.5})$ -1223 Composites. 2017 , 30, 1673-1680		
686	Pinning, flux diodes and ratchets for vortices interacting with conformal pinning arrays. <i>Physica C: Superconductivity and Its Applications</i> , 2017 , 533, 148-153	1.3	9
685	Structure and superconducting characteristics of magnesium diboride, substitution of boron atoms by oxygen and carbon. 2017 , 279, 012023		1
684	High-temperature superconductors of the family $(\text{RE})\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ and their application (Review Article). 2017 , 43, 1125-1151		15
683	3-D New Calculation Principle of Levitation Force Between Permanent Magnet and Hard Type-II Superconductor Using Integral Approach. 2017 , 53, 1-5		3
682	Superfluid density and carrier concentration across a superconducting dome: The case of strontium titanate. <i>Physical Review B</i> , 2017 , 96,	3.3	20
681	Influence of field penetration ratios and filamentation on end-effect related hysteretic loss reductions for superconducting strips. 2017 , 279, 012032		
680	Analysis of the magnetic field distribution and estimation of the critical current density based on a magneto-optical study of the superconducting strip composites. 2017 , 62, 1346-1355		
679	Thermo-electromagnetic analysis of radial HTS magnetic bearings using a semi-analytical method. 2017 , 11, 1538-1547		5
678	3D new calculation principle of levitation force between permanent magnet and Hard Type-II superconductor using integral approach. 2017 ,		
677	Dynamics of trapped magnetic flux in superconducting $\text{FeTe}_{0.65}\text{Se}_{0.35}$. 2017 , 43, 1181-1184		1
676	Phase transitions and vortex structure evolution in two-level high-temperature granular superconductor $\text{YBa}_2\text{Cu}_3\text{O}_7$ under temperature and magnetic field. 2017 , 59, 1492-1500		8
675	Comparison study of the flux pinning enhancement of YBCO superconductor with BZO and BZO + Y ₂ O ₃ mixed phase additions. 2017 , 279, 012031		4
674	Dendritic Flux Avalanches of the Nonhomogeneous/Granular Superconducting Thin Films: Numerical Simulations. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-7	1.8	0
673	An A-? Scheme for Type-II Superconductors. 2017 , 7, 658-678		
672	Numerical analysis of fundamental characteristics of superconducting magnetic bearings for a polarization modulator. 2017 , 871, 012094		
671	$\text{FeTe}_{0.6}\text{Se}_{0.4}$ bulk single crystals with high critical current densities under magnetic fields. 2017 , 871, 012064		0
670	Study of the inhomogeneity of critical current under in-situ tensile stress for YBCO tape. <i>Superconductor Science and Technology</i> , 2018 , 31, 035007	3.1	4

669	A robust seeding technique for the growth of single grain (RE)BCO and (RE)BCOAg bulk superconductors. <i>Superconductor Science and Technology</i> , 2018 , 31, 044003	3.1	11
668	Magnetization Profiles of AC Type-II Superconducting Wires Exposed to DC Magnetic Fields. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	4
667	Electromagnetic Response of DC Type-II SC Wires Under Oscillating Magnetic Excitations. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	3
666	Determination of the Complete Penetration Magnetic Field of a HTS Pellet From the Measurements of the Magnetic Field at Its Top-Center Surface. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-4	1.8	2
665	A General Method to Simulate the Electromagnetic Characteristics of HTS Maglev Systems by Finite Element Software. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-8	1.8	47
664	Flux pinning and improved critical current density in superconducting boron doped diamond films. 2018 , 2, 045015		4
663	Decomposing the Bragg glass and the peak effect in a Type-II superconductor. <i>Nature Communications</i> , 2018 , 9, 901	17.4	11
662	Thermal coupling effect on the vortex dynamics of superconducting thin films: time-dependent Ginzburg-Landau simulations. <i>Superconductor Science and Technology</i> , 2018 , 31, 055007	3.1	8
661	Design Improvement of a Staggered YBCO Undulator. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	2
660	Macroscopic Magnetic Coupling Effect: The Physical Origination of a High-Temperature Superconducting Flux Pump. 2018 , 9,		30
659	. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 1-1	1.8	4
658	Pressure assisted enhancement in superconducting properties of Fe substituted NbSe ₂ single crystal. 2018 , 8, 1251		11
657	Doping evolution of the second magnetization peak and magnetic relaxation in (Ba _{1-x} K _x)Fe ₂ As ₂ single crystals. <i>Physical Review B</i> , 2018 , 97,	3.3	6
656	AC magnetic-field response of the ferromagnetic superconductor UGe ₂ with different magnetized states. <i>Physical Review B</i> , 2018 , 97,	3.3	0
655	Thickness-Dependent Current Density and Flux Distribution in Thin Current-Carrying Superconducting Films Exposed to a Magnetic Field. 2018 , 31, 2741-2746		
654	The influence of inhomogeneous magnetic field over a NdFeB guideway on levitation force of the HTS bulk maglev system. <i>Physica C: Superconductivity and Its Applications</i> , 2018 , 547, 41-45	1.3	5
653	Systematic Study of Vortex Pinning and a Liquid-Like Glass Phase Transition in BaFe _{2-x} Ni _x As ₂ Single Crystals. 2018 , 107, 119-125		3
652	Magnetic characteristics and AC losses of DC type-II superconductors under oscillating magnetic fields. <i>Superconductor Science and Technology</i> , 2018 , 31, 035006	3.1	4

651	The cause of weak-link grain boundary behaviour in polycrystalline Bi ₂ Sr ₂ CaCu ₂ O ₈ and Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ superconductors. <i>Superconductor Science and Technology</i> , 2018 , 31, 024001	3.1	5
650	Voltage relaxation and Abrikosov-Josephson vortices in Bi-2223 superconductors doped with BaZrO ₃ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 5926-5933	2.1	1
649	Comparison of J_{c0} in GdBCO Tape Using Dc Magnetization and Harmonic Ac Susceptibility Measurements. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-4	1.8	
648	Design for a Persistent Current Switch Controlled by Alternating Current Magnetic Field. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	15
647	Comparing the Effects of Nb, Pb, Y, and La Replacement on the Structural, Electrical, and Magnetic Characteristics of Bi-Based Superconductors. 2018 , 31, 3889-3898		3
646	Influence of Gd Addition on the Microstructure and Superconducting Properties of YBCO Bulk Superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	7
645	Effects of Zr Doping on Magnetic and Structural Properties of DyBa ₂ Cu ₃ O _{7-δ} Thin Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-4	1.8	
644	Two Level Undercut-Profile Substrate-Based Filamentary Coated Conductors Produced Using Metal Organic Chemical Vapor Deposition. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	3
643	Influence of Critical Current Density Distribution on Transport AC Losses in Superconducting Wire in a DC Magnetic Field. 2018 , 31, 3459-3464		
642	Critical current density in (YBa ₂ Cu ₃ O ₇) _{1-x} (PrBa ₂ Cu ₃ O ₇) _x melt-textured composites. <i>Physica C: Superconductivity and Its Applications</i> , 2018 , 549, 107-112	1.3	1
641	3-D Equivalent Model to Compute the Electro-Magnetic Behavior of Twisted Multi-Filamentary Superconductors Wires. 2018 , 54, 1-4		3
640	Magnetic losses of commercial REBCO coated conductors in the low frequency range. <i>Superconductor Science and Technology</i> , 2018 , 31, 055011	3.1	2
639	Bulk superconducting tube subjected to the stray magnetic field of a solenoid. <i>Superconductor Science and Technology</i> , 2018 , 31, 015001	3.1	7
638	A 2-D Finite-Element Model for Electrothermal Transients in Accelerator Magnets. 2018 , 54, 1-4		13
637	Effect of biaxial cold pressure densification (BCPD) on Ba _{0.6} K _{0.4} Fe ₂ As ₂ round wire using optimized precursor. <i>Ceramics International</i> , 2018 , 44, 4457-4461	5.1	4
636	Influences of the Bi ₂ Sr ₂ CaCu ₂ O _x /Ag interface and interfilamentary bridge connections on AC loss of composite wires. <i>Physica C: Superconductivity and Its Applications</i> , 2018 , 547, 69-76	1.3	8
635	Collective vortex pinning and merging of the irreversibility line and second peak effect in optimally doped Ba _{1-x} K _x BiO ₃ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2018 , 545, 43-49	1.3	6
634	Evidence of pinning crossover and the role of twin boundaries in the peak effect in FeSeTe iron based superconductor. <i>Superconductor Science and Technology</i> , 2018 , 31, 015014	3.1	22

633	Effects of alkali metals on the formation of Tl-1212 type phase (Tl _{0.85} Cr _{0.15})Sr ₂ A x CaCu ₂ O ₇ with A = Li, Na and Rb. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 3690-3695	2.1	4
632	Compressed H ₃ S, Superfluid Density and the Quest for Room-Temperature Superconductivity. 2018 , 31, 619-624		5
631	Mechanism of Enhanced Carbon Substitution in CNT-MgB ₂ Superconductor Composite Using Ball Milling in a Methanol Medium: Positive Role of Boron Oxide. 2018 , 31, 1119-1126		2
630	The interface superconductivity of Bi ₂ Se ₃ /FeSe heterostructure. 2018 , 32, 1850355		2
629	A doping dependent study of interplay between magnetic and superconducting properties in BaFe _{2-x} CoxAs ₂ single crystals. 2018 , 969, 012075		
628	Energy of dendritic avalanches in thin-film superconductors. 2018 , 8, 085128		3
627	Unprecedented high irreversibility line in the nontoxic cuprate superconductor (Cu,C)BaCaCuO. 2018 , 4, eaa0192		4
626	Levitation Force Computation of HTS/PM System Based on H-formulation. 2018 , 54, 1-5		7
625	A Large-Diameter Cryogenic Rotation Stage for Half-Wave Plate Polarization Modulation on the POLARBEAR-2 Experiment. 2018 , 193, 851-859		6
624	AC losses of Rutherford MgB ₂ cables made by powder-in-tube and internal magnesium diffusion processes. <i>Superconductor Science and Technology</i> , 2018 , 31, 125014	3.1	4
623	Vortex phase diagram study in the superconductor Ca ₃ Ir ₄ Sn ₁₃ . 2018 , 5, 106002		
622	Accelerated vortex dynamics across the magnetic 3D-to-2D crossover in disordered superconductors. 2018 , 3,		2
621	Modeling methodology for a HTS flux pump using a 2D H-formulation. <i>Superconductor Science and Technology</i> , 2018 , 31, 125015	3.1	23
620	Glassy Dynamics in a heavy ion irradiated NbSe crystal. 2018 , 8, 13162		6
619	MgB ₂ superconductor prepared by Mg diffusion method with the addition of reduced graphene oxide. 2018 , 32, 1850268		
618	Vortex dynamics driven by AC magnetic field in YBCO thin films with complex pinning structures. <i>Superconductor Science and Technology</i> , 2018 , 31, 105012	3.1	2
617	Advantages of multi-seeded (RE)BaCuO ₃ superconductors for magnetic levitation applications. <i>Superconductor Science and Technology</i> , 2018 , 31, 095008	3.1	7
616	Fracture analysis of bulk superconductors under electromagnetic force. 2018 , 199, 257-273		12

615	High transport current superconductivity in powder-in-tube Ba _{0.6} K _{0.4} Fe ₂ As ₂ tapes at 27 T. <i>Superconductor Science and Technology</i> , 2018 , 31, 015017	3.1	40
614	The effect of TlF ₃ substitution on the weak links behaviour and AC susceptibility of Bi _{1.8} Tl _x Pb _{0.35} Sr ₂ Ca ₂ Cu ₃ O _y F _{3x} superconductors. 2018 , 93, 26-33		3
613	Promising critical current density characteristics of Ag-sheathed (Sr,Na)Fe ₂ As ₂ tape. 2018 , 11, 063101		11
612	Nodeless superconductivity in the cage-type superconductor ScRuSn with preserved time-reversal symmetry. 2018 , 30, 315803		1
611	Synthesis of nanocrystalline ϵ -MoN by thermal annealing of amorphous thin films grown on (100) Si by reactive sputtering at room temperature. 2018 , 660, 242-246		7
610	Effect of Cr atoms in vortex dynamics of NbSe ₂ superconductor and study of second magnetization peak effect. 2018 , 5, 076001		8
609	Calculation Method Study of HTS Coils Critical Current. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-8	1.8	0
608	Study of microstructure and magneto-transport properties in Bi _{1.6} Pb _{0.4} Sr ₂ Ca ₃ GdxCu ₄ O _□ superconducting systems. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 16157-16165	2.1	5
607	Magnetizing high-T _c superconducting coated conductor stacks using a transformer-rectifier flux pumping method. <i>Superconductor Science and Technology</i> , 2018 , 31, 105007	3.1	4
606	Growth and physical properties of Bi ₂ Sr ₂ CaCu ₂ O _{8+x} crystals grown by a simple pressure technique and comparison with regrowth self-flux technique. 2018 , 498, 277-288		3
605	Mixed state properties of iron based Fe(Se,Te) superconductor fabricated by Bridgman and by self-flux methods. <i>Journal of Applied Physics</i> , 2018 , 123, 233904	2.5	12
604	Control of Both Superconducting Critical Temperature and Critical Current by Means of Electric-Field-Induced Reconfigurable Strain. 2018 , 31, 3147-3152		
603	Interplay of superconductivity and magnetic fluctuations in single crystals of BaFe _{2-x} CoxAs ₂ . 2018 ,		
602	Effect of the Temperature, External Magnetic Field, and Transport Current on Electrical Properties, Vortex Structure Evolution Processes, and Phase Transitions in Subsystems of Superconducting Grains and Weak Links of Granular Two-Level High-Temperature Superconductor YBa ₂ Cu ₃ O _{7-δ} 2018 , 60, 470-480		11
601	Temperature dependence of lower critical field of YBCO superconductor. 2018 ,		
600	Demagnetization induced peak effect for a FeSeTe granular superconductor in ac magnetic field. 2018 , 956, 012017		1
599	Effects of post-growth heat treatment on electronic phase diagrams and critical current densities of Ba(Fe _{1-x} Cox) ₂ As ₂ and BaFe ₂ (As _{1-x} Px) ₂ single crystals. <i>Physical Review B</i> , 2018 , 98,	3.3	0
598	In situ hydrostatic pressure induced improvement of critical current density and suppression of magnetic relaxation in Y(Dy _{0.5})Ba ₂ Cu ₃ O _{7-δ} coated conductors. <i>Superconductor Science and Technology</i> , 2018 , 31, 075003	3.1	

597	Lorentz force velocimetry using a bulk HTS magnet system: proof-of-concept. <i>Superconductor Science and Technology</i> , 2018 , 31, 084003	3.1	8
596	Relaxation model for the p-Laplacian problem with stiffness. 2018 , 344, 173-189		2
595	Nucleation and propagation of thermomagnetic avalanches in thin-film superconductors (Review Article). 2018 , 44, 460-476		16
594	A compositional gradient Ce _{1-x} Zr _x O ₂ buffer architecture for producing high-performance YBCO film. 2018 , 142, 383-388		5
593	Flux Pinning Characteristics and Irreversibility Field of Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₃ Cu ₄ O ₁₂ thin films. 2019 , 32, 1163-1170		2
592	. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-10	1.8	19
591	Superconductivity and the upper critical field in the chiral noncentrosymmetric superconductor NbRhB. 2019 , 31, 465601		6
590	Optically tailored trapping geometries for ultracold atoms on a type-II superconducting chip. 2019 , 114, 222601		2
589	Deviation from Canonical Collective Creep Behavior in Li _{0.8} Fe _{0.2} O _{1-x} FeSe. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 034703	1.5	6
588	Thermal post processing of FeSe _{1-x} Te _x : formation of surface iron oxides and enhancement of J _c . <i>Superconductor Science and Technology</i> , 2019 , 32, 074002	3.1	4
587	A simple torque magnetometer for magnetic moment measurement of large samples: Application to permanent magnets and bulk superconductors. 2019 , 90, 085101		1
586	Influence of transverse stress exerted at room temperature on the superconducting properties of Nb ₃ Sn wires. <i>Superconductor Science and Technology</i> , 2019 , 32, 095010	3.1	3
585	Direct Microwave Synthesis of 11-Type Fe(Te,Se) Polycrystalline Superconductors with Enhanced Critical Current Density. 2019 , 36, 017401		1
584	Critical current density and flux pinning in BaFePtAs and La doped BaLaFePtAs polycrystals. 2019 , 31, 155801		2
583	Experimental and Numerical Studies on a Method to Mitigate Screening Current-Induced Field for No-Insulation REBCO Coils. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29,	1.8	3
582	Review of annealing effects and superconductivity in Fe _{1+y} Te _{1-x} Se _x superconductors. <i>Superconductor Science and Technology</i> , 2019 , 32, 103001	3.1	22
581	Higher harmonics AC susceptibility analysis of FeSe _{0.5} Te _{0.5} superconductor. 2019 ,		
580	Ferromagnet/Superconductor Hybrid Magnonic Metamaterials. 2019 , 6, 1900435		11

579	In-situ hydrostatic pressure induced significant suppression of magnetic relaxation and enhancement of flux pinning in Fe _{1-x} Co _x Se _{0.5} Te _{0.5} single crystals. 2019 , 171, 57-61		3
578	Investigation of fundamental and higher harmonic AC magnetic susceptibility of FeSe _{0.5} Te _{0.5} superconductor. 2019 , 6, 096004		1
577	Influence of gamma irradiation exposure on structural, electrical and magnetic properties of Bi-2223 with Nb ₂ O ₅ addition. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 15356-15367. ¹		1
576	Superconducting cryo-magnets processed by spark plasma sintering and texturing. 2019 , 185-199		1
575	Unique defect structure and advantageous vortex pinning properties in superconducting CaKFe ₄ As ₄ . 2019 , 4,		28
574	Transport properties and high upper critical field of a Fe(Se,Te) iron based superconductor. 2019 , 228, 725-731		4
573	Reemergence of superconductivity by 4d transition-metal Pd doping in over-doped 112-type iron pnictide superconductors Ca _{0.755} La _{0.245} FeAs ₂ . 2019 , 21, 093015		5
572	Superconductivity in Weyl Semimetal NbP: Bulk vs. Surface. 2019 , 1293, 012002		1
571	Energy losses in magnetic contactless bearings on the base of high-T _c superconducting tapes. 2019 , 1293, 012085		1
570	Flux front dynamics and energy losses of magnetically anisotropic 2G-HTS pancake coils under prospective winding deformations. 2019 , 1, 015037		4
569	Modeling of a superconducting maglev in the Meissner state. <i>Physica C: Superconductivity and Its Applications</i> , 2019 , 567, 1353543	1.3	1
568	Anomalous magneto-resistance of Ni-nanowire/Nb hybrid system. 2019 , 9, 14470		5
567	Effect of alkali metal carbonate A ₂ CO ₃ (A = Li, Na, K) on AC susceptibility and superconducting properties of YBa ₂ Cu ₃ O _{7-x} . 2019 , 125, 1		1
566	Simple and Fast Method for Computing Induced Currents in Superconductors Using Freely Available Solvers for Ordinary Differential Equations. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-8	1.8	8
565	Hydrostatic Pressure Effect on the Pinning Mechanism of BiPd Noncentrosymmetric Superconductors. 2019 , 13, 1900344		1
564	Inter-strand resistance and AC loss in resin-filler impregnated ReBCO Roebel cables. <i>Superconductor Science and Technology</i> , 2019 , 32, 125002	3.1	6
563	How to Choose the Superconducting Material Law for the Modelling of 2G-HTS Coils. 2019 , 12,		15
562	Effect of Ni doping on vortex pinning in CaK(Fe _{1-x} Ni _x) ₄ As ₄ single crystals. <i>Physical Review B</i> , 2019 , 100,	3.3	11

561	An MgB ₂ Superconducting Shield Prototype for the Future Circular Collider Septum Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-10	1.8	2
560	IR laser line scanning treatments to improve levitation forces in MgTi _{0.06} B ₂ bulk materials. 2019 , 811, 151966		5
559	Local electromagnetic properties and hysteresis losses in uniformly and non-uniformly wound superconducting racetrack coils. <i>Journal of Applied Physics</i> , 2019 , 126, 123902	2.5	3
558	Effect of Te-doping on the superconducting characteristics of FeSe single crystal. 2019 , 809, 151851		4
557	Fe(Se,Te) system crystallized in molten chlorides flux: The obtained materials and their characterization. 2019 , 528, 125268		2
556	Vortex dynamics behavior with third harmonic ac-susceptibility for nano Fe-doped MgB ₂ superconductor. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 4548-4554	2.1	
555	Doping Dependence of the Second Magnetization Peak, Critical Current Density, and Pinning Mechanism in BaFe ₂ Ni _x As ₂ Pnictide Superconductors. 2019 , 1, 179-188		6
554	Calculation of the local current density in high-temperature superconducting insulated rare earth Barium Copper oxide coils using a volume integral formulation and its contribution to coil protection. <i>Superconductor Science and Technology</i> , 2019 , 32, 044008	3.1	3
553	Enhancement of superconducting properties and flux pinning mechanism on CrNbSe single crystal under Hydrostatic pressure. 2019 , 9, 347		11
552	An Explanation for Observed Flux Creep in Opposite Direction to Lorentz Force in Partially Magnetized Bulk Superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-4	1.8	3
551	A nonlinear relaxation formulation of the p-curl problem modelling high-temperature superconductors: A modified Yee's scheme. 2019 , 378, 591-614		2
550	Correlation Between Microstructure and In-Field Performance of Zr-Added REBCO Coated Conductors Made by Advanced MOCVD. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-6	1.8	9
549	Comparison Study of the Flux Pinning Enhancement of YBa ₂ Cu ₃ O _{7-δ} Thin Films With BaHfO ₃ + Y ₂ O ₃ Single- and Mixed-Phase Additions. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	4
548	Progress in superconductivity. 2019 , 72, 44-45		4
547	Effects of oxygen ion implantation on single-crystalline MgB ₂ thin films. <i>Journal of Applied Physics</i> , 2019 , 125, 023904	2.5	1
546	Edge effect pinning in mesoscopic superconducting strips with non-uniform distribution of defects. 2019 , 9, 211		8
545	Magnetometry Diagnostics of Defects in High-Temperature Superconducting Tapes in a Gradient Magnetic Field. 2019 , 64, 480-489		
544	Investigation of the Magnetic and Transport Properties of YBa ₂ Cu ₃ O _{7-δ} -High Temperature Superconductor Doped with Graphene Oxide. 2019 , 32, 3755-3760		3

543	Doping dependence of the pinning efficiency in K-doped Ba122 single crystals prior to and after fast neutron irradiation. <i>Superconductor Science and Technology</i> , 2019 , 32, 094004	3.1	1
542	Superconducting properties of NaCl doped MgB2 bulks fabricated by hot pressed sintering. 2019 , 803, 742-747		6
541	Bean's critical-state model as a consequence of the circuit model of non-linear resistance. <i>Journal of Applied Physics</i> , 2019 , 125, 093904	2.5	1
540	Second Magnetization Peak Effect in a Fe(Se,Te) iron based superconductor. 2019 , 1226, 012012		3
539	The Circulation Radius and Critical Current Density in Type II Superconductors. 2019 , 45, 1-3		9
538	3-D Numerical Modeling for the Magnetization of Superconductors Using a Local Discontinuous Galerkin Finite Element Method. 2019 , 55, 1-11		
537	Investigation on superconducting and magnetic levitation force behaviour of excess Mg doped-bulk MgB2 superconductors. 2019 , 101, 131-136		9
536	Superconductivity in high-T (Tl1Be)Sr2CaCu2O7 system. 2019 , 100, 109-113		3
535	Interplay of Magnetization Dynamics with a Microwave Waveguide at Cryogenic Temperatures. 2019 , 11,		12
534	The effect of pressure and doping on the critical current density in nickel doped BaFe2As2. <i>Superconductor Science and Technology</i> , 2019 , 32, 064001	3.1	2
533	Hybrid Superconducting-Ferromagnetic [BiSr(Ca,Y)CuO](LaBaMnO) Composite Thick Films. 2019 , 12,		3
532	Study of vortex dynamics in V0.001NbSe2 superconductor. 2019 ,		
531	Effects of HoMnO3 nanoparticles addition on microstructural, superconducting and dielectric properties of YBa2Cu3O7. <i>Ceramics International</i> , 2019 , 45, 13732-13739	5.1	5
530	Hydrostatic pressure effect on superconductivity and vortex pinning mechanism of Sr(Fe0.88Co0.12)2As2 single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 2019 , 563, 22-27	1.3	2
529	Strong pinning in the hole-doped pnictide superconductor La0.34Na0.66Fe2As2. <i>Journal of Applied Physics</i> , 2019 , 125, 123902	2.5	4
528	Lift-Factor Analysis of Multifilamentary Coated Conductor Produced Using Two Level Undercut-Profile Substrates. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-4	1.8	
527	Improving the Flux Pinning With Artificial BCO Nanodots and Correlated Dislocations in YBCO Films Grown on IBAD-MgO Based Template. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	1
526	Simulation of High Temperature Superconductors and experimental validation. 2019 , 237, 154-167		9

525	Large and significantly anisotropic critical current density induced by planar defects in CaKFe ₄ As ₄ single crystals. <i>Physical Review B</i> , 2019 , 99,	3.3	28
524	Pinning energy and anisotropy properties of a Fe(Se, Te) iron based superconductor. 2019 , 30, 254001		8
523	Field Measurement and Analysis of a 3 T 66 mm No-Insulation HTS NMR Magnet With Screening Current and Manufacturing Uncertainty Considered. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	8
522	Anomalous peak effect in iron-based superconductors Ba _{1-x} K _x Fe ₂ As ₂ (x = 0.69 and 0.76) for magnetic-field directions close to the ab plane and its possible relation to the spin paramagnetic effect. <i>Physical Review B</i> , 2019 , 99,	3.3	2
521	Theoretical Model for Simple Estimation of the Screening-current-induced Magnetic Field in High-temperature Superconducting Coils. 2019 , 54, 97-102		
520	Magnetic Shielding Capability of MgB ₂ Cup Made by Liquid Infiltration Process. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	0
519	Giant anisotropy in superconducting single crystals of CsCa ₂ Fe ₄ As ₄ F ₂ . <i>Physical Review B</i> , 2019 , 99,	3.3	21
518	Computation of the Magnetization of Type II Superconductors for Potential Beam Screen Coatings of the Future Circular Collider. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-10	1.8	2
517	Beneficial influence of Hf and Zr additions to Nb ₄ at%Ta on the vortex pinning of Nb ₃ Sn with and without an O source. <i>Superconductor Science and Technology</i> , 2019 , 32, 044006	3.1	26
516	Extrinsic Two-Dimensional Flux Pinning Centers in MgB Superconductors Induced by Graphene-Coated Boron. 2019 , 11, 10818-10828		13
515	Effect of Pressure on the Superconducting Properties of Tl ₂ Ba ₂ Ca ₂ Cu ₃ O ₉ - 2019 , 9, 4		1
514	Magnetoresistance Hysteresis Evolution in the Granular YBaCu High-Temperature Superconductor in a Wide Temperature Range. 2019 , 32, 2409-2419		5
513	Comparative study of vortex dynamics in CaKFe ₄ As ₄ and Ba _{0.6} K _{0.4} Fe ₂ As ₂ single crystals. 2019 , 64, 81-90		19
512	Superconducting critical current density enhanced to 285 A cm ⁻² for Sr ₂ VFeAsO ₃ tapes fabricated by ex situ powder-in-tube process. 2019 , 12, 123004		
511	Magnetic Drag and Energy Losses in Noncontact Bearings Based on Superconducting Tapes. 2019 , 82, 1494-1498		1
510	Fully Discrete Scheme for Bean's Critical-state Model with Temperature Effects in Superconductivity. 2019 , 57, 2685-2706		7
509	Study on variation of second magnetization peak curve in a low temperature cubic superconductor, Ca ₃ Rh ₄ Sn ₁₃ . 2019 ,		
508	Effects of rare-earth elements and alkali metals on the superconductivity of (Tl _{0.7} M _{0.3})Sr ₂ Ca _{0.8} Cr _{0.2} Cu ₂ O ₇ with M = Gd, Er, La, Li, Na, K, and Rb. 2019 , 772, 745-750		2

507	DC magnetic characterization and pinning analysis on Nd _{1.85} Ce _{0.15} CuO ₄ cuprate superconductor. 2019 , 475, 125-129		7
506	AC susceptibility and electrical properties of rare-earth- and alkali metal-substituted (Tl _{0.7} M _{0.3})Sr ₂ CaCu ₂ O ₇ with M = Er, Gd, La, Na, K and Rb. 2019 , 125, 1		7
505	The Comparison of Graphene and Reduced Graphene Oxide Added to MgB ₂ Prepared by Diffusion Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	1
504	Recent breakthrough development in iron-based superconducting wires for practical applications. <i>Superconductor Science and Technology</i> , 2019 , 32, 023002	3.1	35
503	Structural and physical properties of Na-substituted K _{0.8} Fe _{2-y} Se ₂ single crystal. 2019 , 777, 1074-1079		
502	The effect of size and aspect ratio on the trapped field properties of single grain, YBaCuO bulk superconductors. <i>Superconductor Science and Technology</i> , 2019 , 32, 025005	3.1	3
501	Numerical analysis on 10 MJ solenoidal high temperature superconducting magnetic energy storage system to evaluate magnetic flux and Lorentz force distribution. <i>Physica C: Superconductivity and Its Applications</i> , 2019 , 558, 17-24	1.3	7
500	Magnetic properties of the welded joined TSMG Y ₁₂₃ + x wt% Y ₂₁₁ (x = 20 and 30) bulk superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2019 , 557, 19-25	1.3	4
499	Electrical, Structural, and Thermal Properties of Ferrite/Superconductor (Ni _{0.5} Zn _{0.5} Fe ₂ O ₄) _x /YBa ₂ Cu ₃ O _{7-δ} Nanocomposite Materials. 2019 , 32, 2337-2349		1
498	A.C. susceptibility as a probe of low-frequency magnetic dynamics. 2019 , 31, 013001		33
497	Critical Current Density and AC Susceptibility of Bi _{1.6} Pb _{0.4} Sr ₂ Ca ₂ Cu ₃ O ₁₀ Superconductor with Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ Nanomaterial. 2019 , 32, 145-150		2
496	Improvements of high-field pinning properties of polycrystalline Fe(Se,Te) material by heat treatments. <i>Journal of Materials Science</i> , 2019 , 54, 5092-5100	4.3	11
495	Theoretical evaluation of the screening-current-induced magnetic field in superconducting coils with tape wires. 2019 , 12, 013002		3
494	Investigation of the structural, magnetic and electrical properties of the Au doped YBCO superconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 2265-2277	2.1	10
493	NbTi/Nb/Cu Multilayer Shield for the Superconducting Shield (SuShi) Septum. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-8	1.8	5
492	Calcium-Substituted Y ₃ Ba ₅ Cu ₈ O ₁₈ Ceramics Synthesized via Thermal Treatment Method: Structural and Superconducting Properties. 2019 , 32, 1875-1883		3
491	Comparative Investigation on Magnetic Behavior of Partial Rare Earth Element (Re: Lu, Yb, and Dy) Substituted Y _{0.5} Re _{0.5} BCO (123) Superconductors. 2020 , 33, 583-590		2
490	Synthesis of (Li _{1-x} Fex)OHFeSe and FeSe single crystals without using selenourea via a hydrothermal method. 2020 , 137, 109207		4

489	Strongly correlated and strongly coupled s-wave superconductivity of the high entropy alloy Ta ₁ /6Nb ₂ /6HF ₁ /6Zr ₁ /6Ti ₁ /6 compound. 2020 , 186, 250-256			8
488	Re-emerging superconductivity at 27 K in the slightly platinum doped nonsuperconducting Ca _{0.745} La _{0.255} FeAs ₂ . 2020 , 819, 153017			1
487	Effect and Inhibition Method of Armature-Reaction Field on Superconducting Coil in Field-Modulation Superconducting Electrical Machine. 2020 , 35, 279-291			14
486	Effects of laser-induced periodic surface structures on the superconducting properties of Niobium. 2020 , 508, 145140			10
485	Effects of Bi and Si substitutions on (Tl _{0.5} Bi _{0.5} -Si) ₂ Sr ₂ CaCu ₂ O ₇ superconductor. 2020 , 105, 103011			
484	Investigation of the transport, magnetic and flux pinning properties of the noncentrosymmetric superconductor TaRh ₂ B ₂ under hydrostatic pressure. <i>Physica C: Superconductivity and Its Applications</i> , 2020 , 571, 1353586	1.3		1
483	Simulation and calculation on rotation loss of high temperature superconducting bearings. <i>Physica C: Superconductivity and Its Applications</i> , 2020 , 568, 1353565	1.3		1
482	Optimization of superconducting properties of the stoichiometric CaKFe ₄ As ₄ . <i>Superconductor Science and Technology</i> , 2020 , 33, 025003	3.1		10
481	On the Determination of Pinning Mechanisms and Regimes in Type-II Superconductors with Weak Thermal Fluctuations. 2020 , 33, 971-980			1
480	Enhancement of critical current density in CaKFe ₄ As ₄ single crystals through 3 MeV proton irradiation. <i>Superconductor Science and Technology</i> , 2020 , 33, 025008	3.1		5
479	A method for fast field settling in cryogen-free superconducting magnets for NMR. 2020 , 109, 101684			3
478	Improvement of critical current density of MgB ₂ bulk superconductor processed by Spark Plasma Sintering. 2020 , 103, 6169-6175			3
477	Silver doping effects on irreversibility field and pinning energy of a FeSe iron based superconductor. 2020 , 1548, 012024			2
476	Proximity-effect-induced superconductivity in Bi ₂ Te ₃ /FeSe _{0.5} Te _{0.5} thin-film heterostructures with different interface conditions. <i>Physical Review B</i> , 2020 , 102,	3.3		2
475	Simulation study for magnetic levitation in pure water exploiting the ultra-high magnetic field gradient product of a hybrid trapped field magnet lens (HTFML). <i>Journal of Applied Physics</i> , 2020 , 127, 185106	2.5		4
474	Influence of Dysprosium Addition on the Phase Formation and Transport Properties of Hg-1223 Superconductor. 2020 , 33, 3401-3405			2
473	Texture and magnetic anisotropy of YBa ₂ Cu ₃ O _{7-x} film on MgO substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 21108-21117	2.1		2
472	Type-II superconductivity in cold-rolled tantalum. 2020 , 384, 126750			2

471	Vortex dynamics and phase diagram in the electron-doped cuprate superconductor Pr _{0.87} LaCe _{0.13} CuO ₄ . <i>Physical Review B</i> , 2020 , 102,	3.3	2
470	Bulk High-Temperature Superconductors: Simulation of Electromagnetic Properties. 2020 ,		1
469	Simulating pulsar glitches: an N-body solver for superfluid vortex motion in two dimensions. 2020 , 498, 320-331		3
468	Magnetic field sweep rate influence on the critical current capabilities of a Fe(Se,Te) crystal. <i>Journal of Applied Physics</i> , 2020 , 128, 073902	2.5	1
467	Anion height dependence of critical current densities for Fe Te _{1-x} Sex bulk single crystals. 2020 , 1590, 012013		
466	Thermally activated flux motion in optimally electron-doped (Ca _{0.85} La _{0.15}) ₁₀ (Pt ₃ As ₈)(Fe ₂ As ₂) ₅ and Ca ₁₀ (Pt ₃ As ₈)(Fe _{0.92} Pt _{0.08}) ₂ As ₂) ₅ single crystals. 2020 , 19, 103430		3
465	Magnetic force and stiffness performances of Maglev system based on multiSurface arrangements with three-seeded bulk YBaCuO superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2020 , 578, 1353739	1.3	9
464	The effect of NiZn ferrite doping on the superconductivity of Y ₃ Ba ₅ Cu ₈ O ₁₈ nanocomposite materials. 2020 , 10, 115012		
463	Effects of 800 MeV Xe Irradiation on 2H-NbSe ₂ Single Crystals. 2020 , 1590, 012003		0
462	Structure and properties of MgB ₂ bulks: ab-initio simulations compared to experiment. 2020 , 756, 012020		2
461	Flux Pinning Enhancements of YBa ₂ Cu ₃ O _{7-x} with Nanosize Magnetic Additions. 2020 , 756, 012026		1
460	Chemical Solution Deposition of YBCO Films with Gd Excess. 2020 , 10, 860		7
459	Mechanochemically assisted low temperature synthesis route of the 1144 Ca-K Iron Based Superconductor. <i>Superconductor Science and Technology</i> , 2020 , 33, 074003	3.1	6
458	In-field critical current and pinning mechanisms at 4.2 K of Zr-added REBCO coated conductors. <i>Superconductor Science and Technology</i> , 2020 , 33, 074007	3.1	8
457	Influence of pressure on the transport, magnetic, and structural properties of superconducting CrNbSe single crystal.. 2020 , 10, 13112-13125		1
456	In-plane anisotropy in BSCCO superconducting tapes: Transport and magnetometric criteria. 2020 , 109, 103102		0
455	Orthorhombic crystal structure and oxygen deficient cluster distribution model for YBaCuAlO superconductor. 2020 , 10, 7814		0
454	A numerical model to introduce students to AC loss calculation in superconductors. 2020 , 41, 045203		5

453	Disordering Induced Second Magnetization Peak Effect and the Vortex Pinning Mechanism in V0.0007NbSe2 Single Crystal. 2020 , 33, 2679-2689		
452	The comparison of levitation and lateral force of bulk and cut-pasted bulk GdBCO samples at different temperatures. 2020 , 822, 153637		4
451	Strong pinning and slow flux creep relaxation in Co-doped CaFe2As2 single crystals. 2020 , 318, 113963		1
450	Fe(Se,Te) from melting routes: the influence of thermal processing on microstructure and superconducting properties. <i>Superconductor Science and Technology</i> , 2020 , 33, 084007	3.1	0
449	Anisotropic monoblock model for computing AC loss in partially coupled Roebel cables. <i>Superconductor Science and Technology</i> , 2020 , 33, 094013	3.1	4
448	The effect of Ni doping on the electrical and magnetic properties of Y1-xNixBa2Cu3O7- δ superconductors. 2020 , 7, 056002		5
447	Forming the Fe(Se1-xTex) Superconducting Coatings on the Iron Surface. 2020 , 65, 63-67		1
446	Vortex pinning and magnetic phase diagram of EuRbFe4As4 iron-based superconductor. <i>Superconductor Science and Technology</i> , 2020 , 33, 084009	3.1	7
445	Shear banding, intermittency, jamming, and dynamic phases for skyrmions in inhomogeneous pinning arrays. <i>Physical Review B</i> , 2020 , 101,	3.3	9
444	Residual oxygen responsible for universal superconducting phase diagram in annealed FeSe1-xTe x. <i>Superconductor Science and Technology</i> , 2020 , 33, 055006	3.1	2
443	Formation of Tl-1212 phase in Ga-substituted Tl(BaSr)Ca1-xGaxCu2O7 superconductor. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 5316-5323	2.1	1
442	Synthesis of CaKFe4As4 bulk samples with high critical current density using a spark plasma sintering technique. <i>Superconductor Science and Technology</i> , 2020 , 33, 094005	3.1	8
441	Synthesis routes to eliminate oxide impurity segregation and their influence on intergrain connectivity in K-doped BaFe2As2 polycrystalline bulks. <i>Superconductor Science and Technology</i> , 2020 , 33, 084010	3.1	5
440	Adaptive Edge Element Approximation for H(curl) Elliptic Variational Inequalities of Second Kind. 2020 , 58, 1941-1964		3
439	Optimization of Carbon Encapsulated Boron Doping for High-Performance Bulk Sintered MgB2. 2020 , 22, 2000478		2
438	Magnetic flux penetration into micron-sized superconductor/ferromagnet bilayers. <i>Superconductor Science and Technology</i> , 2020 , 33, 025015	3.1	2
437	A Coupled A-B Formulation for Magneto-Thermal Transients in High-Temperature Superconducting Magnets. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-11	1.8	19
436	Electromagnetic Analysis on 2.5MJ High Temperature Superconducting Magnetic Energy Storage (SMES) Coil to be used in Uninterruptible Power Applications. 2020 , 21, 1755-1762		5

435	Comparison of Electromagnetic Performance of 10-MW HTS Double-Stator Flux Modulation Wind Generators With Different Topologies. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-7	1.8	6
434	Enhancement of superconducting state properties of Fe _{0.994} Ni _{0.007} Te _{0.66} Se _{0.34} single crystal with increasing pressure: a correlation with pressure-induced crystallinity degradation. <i>Superconductor Science and Technology</i> , 2020 , 33, 045004	3.1	0
433	Preparation and superconducting properties of the (Cu,C)Ba ₂ Ca ₃ Cu ₄ O _{11+y} films with zero-resistance transition temperature of 96 K. <i>Superconductor Science and Technology</i> , 2020 , 33, 025009	3.1	1
432	Improvement of J _c Properties for Hf and La Co-Doped Gd123 Films Fabricated by Fluorine-Free MOD Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-4	1.8	0
431	Achieving the depairing limit along the c axis in Fe _{1+y} Te _{1-x} Se _x single crystals. <i>Physical Review B</i> , 2020 , 101,	3.3	5
430	Scaling Behavior of Quasi-One-Dimensional Vortex Avalanches in Superconducting Films. 2020 , 10, 5641		2
429	Low-field vortex melting in a single crystal of Ba _{0.6} K _{0.4} Fe ₂ As ₂ . <i>Physical Review B</i> , 2020 , 101,	3.3	2
428	Synthesis of RE123 high-T _c superconductors with a high-entropy-alloy-type RE site. <i>Physica C: Superconductivity and Its Applications</i> , 2020 , 572, 1353623	1.3	16
427	The effects of sintering temperature on superconductivity of MgB ₂ prepared by hot pressing. 2020 , 34, 2050012		
426	Large enhancement of the in-field critical current density of YBCO coated conductors due to composite pinning landscape. <i>Superconductor Science and Technology</i> , 2021 , 34, 015011	3.1	5
425	Annealing Effects on the Structural, Surface, and Superconducting Properties of FeTe _{0.55} Se _{0.45} Single Crystals. 2021 , 34, 1739-1744		
424	Magnetic levitation force performance of benzil added bulk MgTi _{0.06} B ₂ superconductors. 2021 , 113, 103189		0
423	Pinning mediated field penetration and complex susceptibility in inhomogeneous superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2021 , 580, 1353766	1.3	0
422	Applied superconductivity: frustrations and hopes. 2021 , 191, 861-873		
421	The Phenomenon of Superconductivity and Type II Superconductors. 2021 , 15-72		
420	High-Temperature Cuprate Superconductors and Later Discoveries. 2021 , 73-121		
419	3-D Semi-analytical model of a superconducting axial flux modulation machine. 2021 , 1-1		1
418	AC Susceptometry. 2021 , 63-90		

417	The morphologic correlation between vortex transformation and upper critical field line in opal-based nanocomposites. 2021 , 11, 4807		0
416	Effect of heat treatments on superconducting properties and connectivity in K-doped BaFeAs. 2021 , 11, 3143		1
415	Specification of Some Superconductivity Parameters by Adding Lutetium to the YBCO (358) Ceramic Superconductor. 2021 , 34, 1077-1084		0
414	Low-Fluorine Ba-Deficient Solutions for High-Performance Superconducting YBCO Films. 2021 , 11, 199		2
413	New Evidence of Interaction Between Grain and Boundaries Subsystems in Granular High-Temperature Superconductors. 2021 , 34, 1067-1075		4
412	Evolution of vortex matter, phase diagram, and upper critical field in the FeSe _{1-x} S _x system. <i>Superconductor Science and Technology</i> , 2021 , 34, 035019	3.1	0
411	Novel sample-thickness-dependent flux pinning behaviors of KFe ₂ As ₂ intercalations in CaKFe ₄ As ₄ single crystals. <i>Superconductor Science and Technology</i> , 2021 , 34, 055001	3.1	4
410	Phase Segregation and Alteration in Superconducting Properties Caused by Substitution of Palladium for Iron in Fe _{1.02} Se _{0.5} Te _{0.5} . 2021 , 63, 405-413		0
409	Characterization of High-Temperature Superconductor Bulks for Electrical Machine Application. 2021 , 14,		3
408	Modified FFT-based method for the calculations of the thin superconductors with transport current. 2021 , 11, 035103		1
407	Direct evidence of microstructure dependence of magnetic flux trapping in niobium. 2021 , 11, 5364		3
406	Electrical properties and AC susceptibility of FeS added YBa ₂ Cu ₃ O _{7-δ} superconductor. 2021 , 127, 1		
405	Very high upper critical fields and enhanced critical current densities in Nb ₃ Sn superconductors based on Nb ₃ Al _{1-x} Zr _x alloys and internal oxidation. 2021 , 4, 025003		0
404	Structural and Physical Properties of High-Entropy REBa ₂ Cu ₃ O _{7-δ} Oxide Superconductors. 2021 , 34, 1379-1385		2
403	Electronic transport properties and hydrostatic pressure effect of FeSe _{0.67} Te _{0.33} single crystals free of phase separation. <i>Superconductor Science and Technology</i> , 2021 , 34, 055006	3.1	1
402	Trapping a magnetic field of 14.8 T using stacked coated conductors of 12 mm width. <i>Superconductor Science and Technology</i> , 2021 , 34, 065004	3.1	3
401	Effect of substrate on superconducting and magnetic properties for the epitaxial FeSe _{0.5} Te _{0.5} thin films. <i>Superconductor Science and Technology</i> , 2021 , 34, 065002	3.1	0
400	Anomalous anisotropy of the lower critical field and Meissner effect in UTe ₂ . <i>Physical Review B</i> , 2021 , 103,	3.3	4

399	Pinning behavior in bulk MgB ₂ prepared using boron powder refined via high-energy ultra-sonication. 2021 , 34, 1297-1301			0
398	High-performance Ba _{1-x} K _x Fe ₂ As ₂ superconducting tapes with grain texture engineered via a scalable fabrication. 2021 , 64, 2530-2540			8
397	. 2021 ,			
396	Magnetization AC losses of iron-based Ba-122 superconducting tapes. 2021 , 116, 103281			1
395	On the Superconductivity Suppression in EuPrBaCuO. 2021 , 14,			2
394	Transport current and magnetization of Bi-2212 wires above liquid Helium temperature for cryogen-free applications. 2021 , 11, 11660			1
393	Transport and magnetic properties of Bi(Pb)2212 superconducting ceramics doped by low rate of potassium. 2021 ,			0
392	Effect of 1.5 MeV Proton Irradiation on Superconductivity in FeSe _{0.5} Te _{0.5} Thin Films. 2021 , 5, 18			1
391	Below 1 $\mu\text{V cm}^{-1}$: determining the geometrically-saturated critical transport current of a superconducting tape. <i>Superconductor Science and Technology</i> , 2021 , 34, 085004	3.1		1
390	Enhancing the effective critical current density in a Nb superconducting thin film by cooling in an inhomogeneous magnetic field. 2021 , 119, 022602			0
389	AC loss calculation in high-temperature superconductor wires and windings with analytical and numerical models: influence of $J_c(B)$ dependence. 2021 , 1975, 012038			
388	Tuning Flux Pinning in GdBa ₂ Cu ₃ O _{7-x} /La _{0.7} Sr _{0.3} MnO ₃ Epitaxial Bilayers via Substrate-Induced Strain. 2021 , 21, 4473-4481			0
387	Peak Effects in 2H-NbSe ₂ Single Crystals Induced by Particle Irradiations. 2021 , 1975, 012003			
386	The role of chemical composition in the synthesis of Ca/K-1144 iron based superconductors. 2021 , 869, 159202			6
385	Relationship between anion height and superconducting properties for Fe _{1+x} Te _{0.6} Se _{0.4} bulk single crystals. 2021 , 1975, 012011			
384	Cobalt substitution effects on critical current, inter-grain full penetration field, and critical temperature study for Tl ₂ Ba ₂ Ca ₂ Cu _{3-x} CoxO _y bulk superconductor, where x is from 0.005 to 0.050. <i>Ceramics International</i> , 2021 , 47, 18998-19006	5.1		0
383	Effects of thallium fluoride and yttrium on structure, electrical properties and ac losses susceptibility of (Bi,Pb)-2234 superconductors. 2021 , 117, 103326			2
382	Magnetic Properties and Critical Currents of the Superconducting Rhodium Borides YRh ₄ B ₄ and HoRh _{3.8} Ru _{0.2} B ₄ . 2021 , 57, 687-692			

381	Influence of parent Nb-alloy grain morphology on the layer formation of Nb ₃ Sn and its flux pinning characteristics. 2021 , 199, 113822		5
380	Maxwell quasi-variational inequalities in superconductivity. 2021 , 55, 1545-1568		0
379	Anisotropic Critical Current Densities in Ba _{0.6} K _{0.4} Fe ₂ As ₂ with Splayed Columnar Defects. 2021 , 1975, 012012		
378	Mechanochemically Assisted Synthesis of Ca/K 1144-Type Iron Pnictides. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	
377	Magnetization Characteristics of YBa ₂ Cu ₃ O ₇ Bulk Superconductors Prepared From Modified Precursor Powder. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	
376	Effect of Nano-Size Magnetic Additions on Low Temperature Flux Pinning of Y-Ba-Cu-O Thin Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-7	1.8	0
375	Microstructure and Superconducting Properties of Copper Sheathed MgB ₂ Wires With Ti Barrier Fabricated by in Situ Powder-in-Tube Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	
374	Crystallographic Texture Study of Nano-SiC-Doped MgB ₂ Wires. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	
373	Pinning Characteristics of Zr and Hf- Added REBCO Coated Conductors Made by Advanced MOCVD in Low-to-High Magnetic Fields. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	5
372	Anomalous out-of-phase magnetic ac response in superconducting wires. <i>Physical Review B</i> , 2021 , 104,	3.3	0
371	Evidence of Depth-Limited Reduction of Excess Iron in FeSe _{1-x} Tex After Air Annealing. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-4	1.8	
370	Identification of the A15 Contours in Multifilamentary Nb ₃ Sn Wires by Means of a Magnetic Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-4	1.8	1
369	Ramifications of Pulsed Laser Deposition Growth Temperature on BaHfO ₃ and Y ₂ O ₃ Doped Y-Ba-Cu-O Thin Films[Microstructure and Performance. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	0
368	Effect of Y-Ca substitution on microstructural morphology and critical current density in YBa ₂ Cu ₃ O _{6.8} ceramics. 2021 , 119, 106700		
367	Suppression of Superconductivity by Anharmonic Oscillations in Zn- or Ni-doped Cu _{0.5} Tl _{0.5} Ba ₂ (CaMg)Cu _{1.5} M _{1.5} O ₁₀ -(M=Zn, Ni) Superconductors; Evident by Magnetic Measurements. 2021 , 50, 6518-6524		0
366	Employment of NdBCO/YBCO/MgO film seed in the infiltration growth technique for fabricating single-grain YBCO bulk superconductors. 2021 , 570, 126198		1
365	Preparation and Superconducting Properties of Nb ₃ Sn by Mechanical Alloying. 2021 , 205, 100		1
364	Competition between ferromagnetism and superconductivity in GdBa ₂ Cu ₃ O _{7-x} /La _{0.7} Sr _{0.3} MnO ₃ bilayers with varying thickness. <i>Ceramics International</i> , 2021 , 48, 1068-1068	5.1	0

363	Critical Current Density and Vortex Dynamics in Pristine and Irradiated KCaFeAsF. 2021 , 14,			1
362	High Pinning Force Values of a Fe(Se, Te) Single Crystal Presenting a Second Magnetization Peak Phenomenon. 2021 , 14,			1
361	Superconductivity-driven ferromagnetism and spin manipulation using vortices in the magnetic superconductor EuRbFeAs. 2021 , 118,			1
360	Designing high-performance superconductors with nanoparticle inclusions: Comparisons to strong pinning theory. 2021 , 9, 091105			
359	Fabrication of GdBa ₂ Cu ₃ O _{7-δ} fine patterns by chemically modified self-photosensitive photolithography. <i>Ceramics International</i> , 2021 , 47, 27503-27510	5.1		0
358	Flux trapping in superconducting hydrides under high pressure. <i>Physica C: Superconductivity and Its Applications</i> , 2021 , 589, 1353916	1.3		4
357	(Gd,Y,Er)Ba ₂ Cu ₃ O _y bulk superconducting system processed via infiltration growth. 2021 , 881, 160535			1
356	Current Distribution Analysis in Bi ₂ 223 Tapes of Superconducting Bipolar DC Energy Pipeline. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-4	1.8		2
355	Complex pulse magnetization process and mechanical properties of spark plasma sintered bulk MgB ₂ . 2021 , 273, 115390			1
354	Improved Superconducting Properties of NaCl Doped MgB ₂ . <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-4	1.8		
353	Influence of Se and Te substitutions at Tl-site of Tl(Ba,Sr)CaCu ₂ O ₇ superconductor on the AC susceptibility and electrical properties. <i>Ceramics International</i> , 2021 , 47, 31920-31926	5.1		0
352	Applied superconductivity: frustrations and hopes. 2021 , 64,			
351	Reliable 4.8 T trapped magnetic fields in GdBaCu bulk superconductors using pulsed field magnetization. <i>Superconductor Science and Technology</i> , 2021 , 34, 034002	3.1		3
350	Effect of vortex annihilation lines on magnetic relaxation in high-temperature superconductors. <i>Physical Review B</i> , 2021 , 103,	3.3		0
349	A Large Scale High-Tc Superconducting Shield and Its Cryostat. 1996 , 1955-1962			1
348	Two-Dimensional Analysis of AC Loss in Superconductors Carrying Transport Current. 1982 , 587-599			6
347	Chemical Vapor Deposition of Nb ₃ Ge. 1977 , 347-355			7
346	Superconducting Wire Test at Fermilab. 1977 , 376-382			3

345	AC Loss Measurements of Two Multifilamentary NbTi Composite Strands. 1990 , 169-176	4
344	Transmission of Electrical Energy by Superconducting Cables. 1974 , 401-548	11
343	Response of High Temperature Superconductors to a Step in Magnetic Field. 1990 , 767-772	1
342	Effect of Neutron Irradiation on Critical Magnetization Current in Single Crystal YBa ₂ Cu ₃ O _{7-δ} 1988 , 273-278	2
341	Phenomenological Model Fit to Intragranular Ac Susceptibility of Sintered High-Tc Superconductors. 1991 , 259-265	4
340	Critical Current Densities from ac Susceptibility Data. 1991 , 267-287	2
339	Responses of High Tc Superconductors to Various Combinations of AC and DC Magnetic Fields. 1991 , 289-311	4
338	A.C. Susceptibility Studies of Type-II Superconductors: Vortex Dynamics. 1991 , 377-388	26
337	AC Susceptibility Techniques Applied to Thin Film Superconductors. 1991 , 405-422	3
336	Alternating-Field Susceptometry and Magnetic Susceptibility of Superconductors. 1991 , 49-80	72
335	Ac Inductive Measurement: Its Application to the Studies of High Tc Superconductivity. 1991 , 81-105	9
334	DC Magnetisation and Flux Profile Techniques. 1991 , 129-155	6
333	Early Theories of J_c and J_c of Superconductors: The Controversial Aspects. 1991 , 213-228	5
332	Magnetization Processes. 1993 , 111-144	5
331	Recent Topics at the Megagauss Laboratory in Tokyo. 1989 , 618-629	3
330	Magnetic Investigations of Grain and Weak Link Properties in Bi _{1-x} Pb _x SrCaCu _{1.8} O _y . 1990 , 65-68	1
329	Magnetic Investigations of Superconducting Fullerenes. 1993 , 387-394	1
328	Levitation Applications of High-Temperature Superconductors. 2004 , 91-142	4

327	Ac Susceptibility in Melt-Processed Nd-Ba-Cu-O Superconductor. 2000 , 356-358		1
326	Differences of Microstructural and Superconducting Properties of Bi-2212 Thick Films by a Variation of the Maximum Temperature During Melt-Solidification with and without Bi ₂ Al ₄ O ₉ . 2000 , 682-684		1
325	Preparation and Superconducting Properties of Melt-Processed YBCO Bulk by Controlling Oxygen Partial Pressure. 1998 , 657-660		3
324	Ac Losses in Bi ₂ 223 Multifilamentary Wires Exposed to an Magnetic Field Perpendicular to the Wide Surface. 1998 , 833-836		8
323	High Pressure Synthesis of HgBa ₂ (Sr,Ca) ₂ Cu ₃ O ₈ Superconductor. 1998 , 375-378		1
322	The Effect of Platinum Doping on the Spatial Distribution of Y ₂ BaCuO ₅ Inclusions in Large Grain Melt Processed YBa ₂ Cu ₃ O _{7-δ} 1997 , 725-728		2
321	Superconducting Materials for Energy-Related Applications. 1979 , 491-550		1
320	Effect of thickness on the magnetic properties of YBa ₂ Cu ₃ O ₇ thin films. 1992 , 177-182		1
319	Resistivity, Critical Current and Modulated Microwave Absorption of Ag ₂ O Doped YBa ₂ Cu ₃ O _{7-δ} Ceramics. 1992 , 213-218		1
318	Statics and dynamics of the vortex state in type II superconductors. 1995 , 131-197		1
317	Effects of silver doping on magnetic levitation performance of MgB ₂ superconductors. 2020 , 108, 103061		2
316	Strong correlation between flux pinning and epitaxial strain in the GdBaCuO /LaSrMnO nanocrystalline heterostructure.. 2020 , 10, 39102-39108		4
315	Étude en hautes fréquences de l'ancrage de vortex. 1971 , 32, 1003-1008		3
314	Étude expérimentale des sauts de flux limités dans les supraconducteurs impurs de seconde espèce : répartition de l'induction magnétique avant et après saut de flux. 1971 , 32, 191-204		6
313	Superconducting glass-phase diagram for ceramic YBa ₂ Cu ₃ O _{7-δ} 1989 , 50, 3123-3131		9
312	A new approach to the current distribution in field cooled superconductors disks. <i>Superconductor Science and Technology</i> , 2018 , 31, 015008	3.1	1
311	A temperature-dependent multilayer model for direct current carrying HTS coated-conductors under perpendicular AC magnetic fields. <i>Superconductor Science and Technology</i> , 2020 , 33, 045007	3.1	19
310	Coupling loss at the end connections of REBCO stacks: 2D modelling and measurement. <i>Superconductor Science and Technology</i> , 2020 , 33, 075014	3.1	6

309	Twofold role of columnar defects in iron based superconductors. <i>Superconductor Science and Technology</i> , 2020 , 33, 094012	3.1	6
308	Mixed state properties analysis in AC magnetic field of strong pinning Fe(Se,Te) single crystal. <i>Superconductor Science and Technology</i> , 2020 , 33, 094006	3.1	1
307	Current transport, magnetic and elemental properties of densified Ag-sheathed Ba _{1-x} K _x Fe ₂ As ₂ tapes. <i>Superconductor Science and Technology</i> , 2020 , 33, 095008	3.1	8
306	Chip-based superconducting traps for levitation of micrometer-sized particles in the Meissner state. <i>Superconductor Science and Technology</i> , 2020 , 33, 105002	3.1	7
305	Developments of (Ba,Na)Fe ₂ As ₂ and CaKFe ₄ As ₄ HIP round wires. <i>Superconductor Science and Technology</i> , 2020 , 33, 104001	3.1	8
304	Controlling magnetic flux penetration in low-T _c superconducting films and hybrids. <i>Superconductor Science and Technology</i> , 2021 , 34, 013002	3.1	8
303	Vortex phase diagram in 12442-type RbCa ₂ Fe ₄ As ₄ F ₂ single crystal revealed by magneto-transport and magnetization measurements. <i>Superconductor Science and Technology</i> , 2020 , 33, 114005	3.1	4
302	Strong flux pinning and anomalous anisotropy of Sr _{0.6} K _{0.4} Fe ₂ As ₂ superconducting tapes. <i>Superconductor Science and Technology</i> , 2020 , 33, 125001	3.1	3
301	Fast and efficient critical state modelling of field-cooled bulk high-temperature superconductors using a backward computation method. <i>Superconductor Science and Technology</i> , 2020 , 33, 114007	3.1	5
300	AC dynamic reorganization and critical phase transitions in superconducting vortex matter. <i>Superconductor Science and Technology</i> , 2021 , 34, 013003	3.1	3
299	BiFeO ₃ nanoparticle doping effect on the growth and properties of YBaCuO superconductors. <i>Superconductor Science and Technology</i> , 2021 , 34, 015007	3.1	2
298	Evidence for superior current carrying capability of iron pnictide tapes under hydrostatic pressure. 2017 , 1,		20
297	Ultrahigh critical current densities, the vortex phase diagram, and the effect of granularity of the stoichiometric high-T _c superconductor CaKFe ₄ As ₄ . 2018 , 2,		39
296	Anisotropic physical properties and large critical current density in KCa ₂ Fe ₄ As ₄ F ₂ single crystal. 2020 , 4,		7
295	Transmon qubit in a magnetic field: Evolution of coherence and transition frequency. 2019 , 1,		11
294	Search for a d-Wave Chiral-Glass Transition in Granular High-T _c Superconductor (Sr _{0.7} Ca _{0.3}) _{0.95} CuO _{2-x} . <i>Journal of the Physical Society of Japan</i> , 1997 , 66, 2256-2259	1.5	3
293	Magnetic Study of Pressure-Induced Superconductivity in the [Pd(dmit) ₂] Salt with Spin-Gapped Ground State. <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 033704	1.5	22
292	Flux-jump instability. 1998 , 120-138		1

291	Effect of Transport Current on the Pinning Induced Magnetostriction of Type-II Superconductors. 2008 , 113, 741-752		5
290	Effects of Re Addition into MgB ₂ Superconductor. 2013 , 38, 439-442		2
289	Current-induced magnetization hysteresis defines atom trapping in a superconducting atomchip. 2018 , 4,		3
288	Electromagnetic Response of Superconducting Tapes-Theoretical Analysis of Current/Field Distributions and ac Losses-. 2009 , 44, 2-12		3
287	Superconducting Properties of (Tl _{1.6} Pb _{0.4})-2223 Substituted by Praseodymium. 2008 , 2, 63-73		1
286	A Fermi Energy-Incorporated Framework for Dealing with the Temperature- and Magnetic Field-Dependent Critical Current Densities of Superconductors and Its Application to Bi-2212. 2020 , 10, 53-70		3
285	A First-principles Study on Magnetism of Al Impurity in bcc Fe. 2011 , 16, 1-5		9
284	Superconducting and flux pinning properties of FeSe _x Te _{1-x} topological superconductors. 2020 , 69, 237401		1
283	Effects of Asymmetric Splayed Columnar Defects on the Anomalous Peak Effect in Ba _{0.6} K _{0.4} Fe ₂ As ₂ . <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 094705	1.5	2
282	Direct Observation of Local Shielding Currents in Superconducting Thin Films under Low Magnetic Field by Scanning Superconducting Quantum Interference Device Microscopy. 2012 , 51, 095804		3
281	Existence of a vortex-glass phase transition in an optimally doped BaFe _{1.8} Co _{0.2} As ₂ single crystal. 2013 , 15, 16-19		2
280	AURORA: a public applications server to introduce students to superconductivity. 2021 , 2043, 012005		
279	Upper critical field and peak effect in (Li _{0.8} Fe _{0.2})OHFeSe single crystal. 2021 , 895, 162454		1
278	Characterization of the (Cu,C)Ba ₂ Ca ₃ Cu ₄ O _{11+delta} single crystals grown under high pressure. <i>Superconductor Science and Technology</i> ,	3.1	0
277	Trapped Field in Superconductors with Perforations.		0
276	Overview of critical currents and vortex trapping phenomena in massive and nanometric high-TC superconductors. 2021 , 23, 1		0
275	An Abelian Higgs model of pulsed field magnetization in superconductors. 2021 , 2043, 012006		
274	Superconducting imprint of magnetic textures in ferromagnets with perpendicular magnetic anisotropy. 2021 , 11, 20788		0

273 . **2000**,

272 Impact Loading of Solid/Porous Media. **2000**,

271 Flux Pinning. **2001**, 179-194

270 Cellular Model of Superconducting Vortex Dynamics. **2002**, 215-227

269 Introduction to section C. **2002**, 891-945

268 Introduction to section D2. **2002**, 1215-1454

267 Current Status of High-Tc Superconducting Bulk Rotating Electric Motors Application. **2004**, 67-80

266 Effect of Substrate Orientation and Hydrogen Impurities on Flux Penetration in Nb Thin Films. **2004**, 215-222

265 Evaluation of Critical Current Density in Superconductors by an Inductive Method Measuring Third-harmonic Voltages. **2005**, 40, 346-353

264 Superconducting Properties of MgB₂+X Thin Films Prepared with Various Compositions. **2008**, 43, 482-490

263 Numerical Design Methodology for an All Superconducting Linear Synchronous Motor. **2011**, 553-562

2

262 Background of Superconductors. **2011**, 5-23

261 Superconductor Magnetization. 503-542

260 TiO₂Nano-doping Effect on Flux Pinning and Critical Current Density in an MgB₂Superconductor. **2011**, 16, 15-18

259 The Combined Influence of SiC and Rare-Earth Oxides Doping on Superconducting Properties of MgB₂ Wires. 145-153

258 Ceramic Processing for Dense Magnesium Diboride. 109-120

257 Synthesis and Sintering of MgB₂ under High Pressure. 365-374

256 Effects of Nano Fe_xC Addition on Superconducting Properties of MgB₂. **2012**, 19, 146-150

- 255 Ag Doping Effects in FeSe_{0.5}Te_{0.5} superconductor. **2013**, 38, 609-613 o
- 254 Kritische Ströme in Supraleitern 1. und 2. Art. 287-325
- 253 Investigation of the superconducting properties of YBCO coated conductor based on LTS/HTS. **2013**, 15, 1-5
- 252 Stochastically Driven Hysteretic Systems in Science and Engineering. **2014**, 105-139
- 251 Measurement Methods for Critical Current Density. **2014**, 189-209 1
- 250 Magnetic and transport properties of single crystals of Fe-based superconductors of 122 family. **2014**, 184, 897-902 o
- 249 Critical State of Superconducting Solenoids. **1966**, 652-658
- 248 SURVEY PAPER: A.C. LOSSES IN SUPERCONDUCTORS. **1970**, 105-115
- 247 Superconducting Alternating Current Magnets. **1973**, 230-351
- 246 Limited Flux Jumps in Hard Superconductors. **1974**, 232-237
- 245 Boundary Current and Modulated Flux Motion in Superconducting Thin Pb Films. **1974**, 238-240
- 244 Response of Magnetically Irreversible Type II Cylinders to Currents and Fields Applied in a Parallel Axial Geometry. **1974**, 227-231
- 243 Superconducting Magnets. **1974**, 139-217 1
- 242 Superconductive Machinery. **1975**, 489-539
- 241 Superconducting Properties of Pb-Sn-In Alloys Directionally Solidified Aboard Skylab. **1977**, 567-578
- 240 Interaction between two Parallel Superconducting Wires Carrying Alternating Current. **1977**, 444-448
- 239 Technique for Measuring AC Losses in Thin-Film Superconductors. **1977**, 414-419
- 238 Magnets, Motors, and Generators. **1979**, 14, 47-98

- 237 Flux Pinning. **1979**, 179-194 1
- 236 Superconductors for Power Transmission. **1979**, 267-326
- 235 HIGH TEMPERATURE SUPERCONDUCTIVITY RESEARCH AT ARGONNE NATIONAL LABORATORY. **1987**, 167-172
- 234 CRITICAL CURRENTS IN HIGH-QUALITY YBaCuO CERAMICS INVESTIGATED BY MAGNETIZATION, a.c. SUSCEPTIBILITY AND ELECTRICAL TRANSPORT. **1989**, 89-96
- 233 Magnetization, Flux Creep and Transport in Tl-Ca-Ba-Cu-O Thin Films. **1989**, 395-405 1
- 232 Measurement of Surface Magnetic Field of Superconductor by Magnetic Resonance. **1990**, 249-250
- 231 On the Nonlinear Critical State Dynamics in Type II Superconductors. **1990**, 169-178
- 230 INFLUENCE OF ANNEALING UNDER OXYGEN ON THE CHEMICAL AND SUPERCONDUCTING PROPERTIES OF YBa₂Cu₃O_x SINGLE CRYSTALS. **1990**, 208-214
- 229 Critical Field Enhancement Due to Field Penetration in Fine-Filament Superconductors. **1990**, 255-261 2
- 228 CRYSTAL GROWTH AND ANISOTROPIC PROPERTIES OF TEXTURED Bi-Sr-Ca-Cu-O SAMPLES. **1990**, 526-535
- 227 Hysteresis of Critical Current in YBa₂Cu₃O_{7-x}-Ag. **1990**, 509-517
- 226 Magnetic Characteristics and Measurements of Filamentary Nb-Ti Wire for the Superconducting Super Collider. **1990**, 215-222 3
- 225 Complex Susceptibility in Single-Crystal YBa₂Cu₃O_{7-x} Thin Films. **1990**, 829-832
- 224 Scaling Laws for the Irreversible Magnetization of Type-II Superconductors. **1990**, 21-26
- 223 Thermally Activated Depinning of Vortices in High-T_c Superconductors. **1991**, 437-445
- 222 Generation of Megagauss Magnetic Fields and Their Application to Solid State Physics. **1991**, 19-47 0
- 221 Ac Losses in YBa₂Cu₃O₇ and Bi₂Sr₂Ca₂Cu₃O₁₀ Superconductors at Power Frequencies. **1992**, 631-634 1
- 220 Polarized Neutron Studies on Magnetic Flux in Superconductors. **1992**, 403-407

- 219 AC Hysteresis Loss, Lower Critical Field, and Critical Current Density at 77 K in Melt Processed YBa₂Cu₃O₇ Wires and Rods. **1992**, 153-157 1
- 218 Magnetization and Critical Current of High-J_c YBa₂Cu₃O₇ Grown by the MPMG Method in High Magnetic Fields up to 40 T. **1992**, 559-561
- 217 Current Injected Thick Film HTS Magnetic Sensors. **1992**, 196-199
- 216 Hall Probe Magnetometry on High-T_c Superconductors. **1993**, 507-512 1
- 215 Single Parameter Analysis of Hysteretic Magnetic Flux Trapping in High T_c Superconductor Ribbon. **1993**, 1879-1884
- 214 Theory and Experiment of Flux Pinning and Flux Creep in High T_c Superconductors. **1993**, 71-94
- 213 S. **1993**, 423-495
- 212 Effects of Transport Currents and Static Magnetic Fields on Harmonic Generation in YBCO Ceramics. **1993**, 545-548
- 211 Statics and Dynamics of the Flux-Line Lattice in High-T_c Superconductors. **1993**, 27-53
- 210 Melt-Growth Processing of YBa₂Cu₃O_{7-x} Under Sub-Atmospheric Oxygen Pressures. **1994**, 851-854
- 209 Critical current in HgBa₂CuO_y. **1994**, 331-334 1
- 208 AC Losses in Bi-2223 Composite Tapes. **1994**, 45-52 1
- 207 Improvements of T_c and phase purity of Tl-1223 superconductor and its application to tapes. **1994**, 381-384
- 206 Persistent Current Decay of a Superconducting Coil in an AC Field. **1994**, 17-24 1
- 205 Static and Dynamic Magnetizations of 3-D Textured and Monocrystalline Bi:2212. **1994**, 593-596
- 204 Characteristics of High Temperature Operation in a Conduction Cooled (Nb,Ti)₃Sn Superconducting Magnet. **1994**, 847-852 3
- 203 References. **1995**, 549-590
- 202 New family of mercury- and thallium-based superconductors, Hg_{1-x}Tl_xBa₂(Ca_{0.86}Sr_{0.14})₂Cu₃O_{8+δ}. **1995**, 291-294

- 201 AC Losses of Bi2223 Superconducting Tape and Rod. **1995**, 843-846
- 200 Mechanical and AC Power Loss Characteristics of Mono- and Multi-filamentary Bi-2223 Ag-Sheathed Tape. **1995**, 729-732
- 199 Electromagnetic Hysteretic Response Calculation for Superconductors in Demagnetizing Geometries. **1995**, 1669-1674
- 198 An Active Magnetic Bearing with High Tc Superconducting Coils and Ferromagnetic Cores. **1996**, 973-981
- 197 The Physics of Superconducting Levitation. **1996**, 473-476
- 196 Nb-Ti Composite Wires with Artificial Ferromagnetic Pins. **1996**, 1095-1102 1
- 195 Reactive laser deposition of high quality YBaCuO and ErBaCuO films. **1996**, 739-743
- 194 AC Loss Calculations for HTSC Current Lead Modules. **1996**, 587-594 1
- 193 Epitaxial Growth of GdBa₂Cu₃O_{7-x} Thin-Films by Spin-Coating Method. **1997**, 1055-1058
- 192 Magnetic Testing of HTS Thin Films and Passive Microwave Components. **1997**, 367-371
- 191 Unidirectional Partial Melting and Solidification Processing of SM123 Superconductor. **1997**, 721-724
- 190 An Electrical Model for AC Losses in an Ag Sheathed Bi(2223) Tape. **1997**, 985-988
- 189 Swift heavy-ion irradiation effects on the super-conducting material La_{1.85}Sr_{0.15}CuO₄. **1997**, T73, 337-339
- 188 Measurement and analysis of angular dependence of critical current density on magnetic field in Bi2223 superconductive tape. **1998**, 795-798
- 187 Preparation of Rotors from Melt-Textured YBCO for Electromotors. **1998**, 937-940 1
- 186 Current distribution in superconductors. **1998**, 79-98 1
- 185 Magneto-Optical Characterization of Nd-Ba-Cu-O Bulk Superconductors. **1998**, 421-424
- 184 Temperature Dependence of The Magnetic Energy Losses in a (Bi,Pb)₂Sr₂Ca₂Cu₃O₁₀-High Tc Superconductor. **1998**, 585-588

- 183 Temperature Dependence of Lower Critical Fields in a Single-Crystal Bi₂Sr₂CaCu₂O_{8+d} Bulk Superconductor. **1998**, 63-66
- 182 Magnetic and Transport Measurements of the Irreversibility Field. **1998**, 807-812
- 181 Fluorination of the Overdoped Tl-1223 Superconductor. **1998**, 383-386
- 180 AC Magnetic Field Losses in BSCCO-2223 Superconducting Tapes. **1998**, 715-722
- 179 Magnetic field distributions in Screen-Printed Ag-Bi₂223 tapes with various shapes. **1998**, 779-782
- 178 Statics and Dynamics of the Flux-Line Lattice in Realistic Geometries. **1999**, 81-108
- 177 Distribution of Electric Field and Charge in Superconducting Strips Induced by Hall Effects. **1999**, 259-262
- 176 Evaluation of Supercurrent Distribution by Terahertz Radiation Mapping. **1999**, 189-192
- 175 A novel two-dimensional mapping system for supercurrent distribution using femtosecond laser pulses. **1999**, 1285-1288
- 174 Influence of Columnar Defects on Critical Currents, Pinning Forces and Irreversibility Fields in (Tm_{1-X}Y_X)Ba₂Cu₃O₇ Single Crystals up to 50 T.. **1999**, 345-355
- 173 Type II Superconductors. **2015**, 49-69
- 172 Simplified Electromagnetic Analysis of Bulk Superconductor Magnetization. **2015**, 50, 458-463
- 171 Analysis of the local superconducting properties in YBCO coated conductors with striations. **2015**, 17, 25-30
- 170 Superconducting Properties and Phase Formation of MgB₂ Superconductors Prepared by the Solid State Reaction Method using MgB₄ and Mg Powder. **2015**, 22, 344-349
- 169 Measurement of Critical Currents in Superconducting Thin YBa₂Cu₃O_{7-δ} Films by the Magnetic Susceptibility Method Using Open-Faced Coils. **2017**, 39, 441-455
- 168 Large-Shell-Type Transformers: Aspects of Design. **2017**, 139-173 1
- 167 Electromagnetic Characteristics Analysis and AC Loss Evaluation of HTS Tapes Based on H-Formulation. **2020**, 410-418
- 166 Kritik Hal Ürbesinde YBCO (358) Şeriletkeninin ZFC İtemi ile Manyetizasyon-Şaklı Deiminin Modellenmesi.

165	AC Loss Analysis of 10-MW High-Temperature Superconducting Double-Stator Field-Modulation Generators and Its Reduction. 2020 ,		1
164	Large artificial ferromagnetic dot arrays for the critical current enhancement in superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ thin films. <i>Superconductor Science and Technology</i> , 2020 , 33, 105006	3.1	0
163	Structures and Properties of Superconducting Materials . 1973 , 2, 231-278		
162	Vectorial calibration of superconducting magnets with a quantum magnetic sensor. 2020 , 91, 125003		1
161	An automated setup to measure the linear and nonlinear magnetic ac-susceptibility down to 4 K with higher accuracy. 2020 , 91, 123905		0
160	A cryogenic continuously rotating half-wave plate mechanism for the POLARBEAR-2b cosmic microwave background receiver. 2020 , 91, 124503		3
159	Pressure effects on electronic structure and electrical conductivity of TiZrHfNb high-entropy alloy. 2022 , 140, 107394		3
158	Numerical Modelling and Theoretical Analysis. 2020 , 35-48		
157	Pressure Dependence of Superconducting Properties, Pinning Mechanism, and Crystal Structure of the FeMnSeTe Superconductor. 2021 , 6, 30419-30431		
156	Anisotropic critical current density and flux pinning mechanism of $\text{Fe}_{1+y}\text{Te}_{0.6}\text{Se}_{0.4}$ single crystals. <i>Superconductor Science and Technology</i> ,	3.1	1
155	Negative Magnetization and Superconductivity in the $(\text{LaPt}_2\text{As}_x)$ ($x = 1, 2$) and BaPt_2As_2 Compounds. 2021 , 34, 3175		0
154	Critical Current and Pinning Features of a CaKFeAs Polycrystalline Sample. 2021 , 14,		0
153	Measurement Methods for Critical Current Density. 2007 , 209-231		
152	Frequency and field dependencies of susceptibilities of highT _c superconductor YBCO. 2005 , 18, 503-508		
151	Numerical analysis of the screening current-induced magnetic field in the HTS insert dipole magnet Feather-M2.1-2. <i>Superconductor Science and Technology</i> , 2020 , 33, 125008	3.1	7
150	Anomalous magnetization jumps in granular Pb superconducting films. 2021 , 35, 32-32		0
149	Twisted laminar superconducting composite: MgB ₂ embedded carbon nanotube yarns. 2021 , 44, 1		
148	Transverse distribution of critical current density in Ag-sheathed $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ tapes. <i>Superconductor Science and Technology</i> , 2022 , 35, 015004	3.1	0

147	Influence of copper(II) sulfide addition on AC susceptibility and electrical properties of YBa ₂ Cu ₃ O ₇ superconductor. 2021 , 127, 1		
146	Integral Modeling of AC Losses in HTS Tapes With Magnetic Substrates. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 1-1	1.8	3
145	Proximity-effect-induced superconductivity in Bi ₂ Te ₃ /FeSe _{0.5} Te _{0.5} superlattices. 2022 , 900, 163396		1
144	Design of a 60 kA Flux Pump for Fusion Toroidal Field Coils. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 32, 1-5	1.8	2
143	Characteristics of Critical Current of HTS Tape Compared With De-Noising Model. 2020 ,		
142	Research on a Novel Multi-gap HTS Linear Motor for the Using of Ultra High Speed Maglev. 2020 ,		0
141	Current-induced self-organisation of mixed superconducting states. <i>Superconductor Science and Technology</i> , 2022 , 35, 035003	3.1	0
140	Equivalent models of critical current and magnetization for calculating the magnetic field in simply connected structures made of HTS bulk and HTS tape. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 1-1	1.8	
139	Fabrication and Superconducting Properties of 19-Filamentary Sr _{0.6} K _{0.4} Fe ₂ As ₂ /Ag/Monel Composite Wires and Tapes. 1		0
138	Interplay between magnetism and superconductivity in UTe ₂ . <i>Physical Review B</i> , 2022 , 105,	3.3	1
137	Generalized phenomenological model for the magnetic field penetration and magnetization hysteresis loops of a type-II superconductor. <i>Physical Review B</i> , 2022 , 105,	3.3	0
136	Trapping a magnetic field of 17.89 T in stacked coated conductors by suppression of flux jumps. <i>Superconductor Science and Technology</i> , 2022 , 35, 02LT01	3.1	2
135	The variation of pinning efficiency in YBCO films containing columnar defects. <i>Physica C: Superconductivity and Its Applications</i> , 2022 , 592, 1354000	1.3	
134	Study of anisotropy in the superconducting properties of FeTe _{0.55} Se _{0.45} single crystal grown by the self-flux method. <i>Superconductor Science and Technology</i> ,	3.1	0
133	Effects of Te- and Fe-doping on the superconducting properties in FeSeTe thin films.. 2022 , 12, 391		1
132	Numerical Modelling of the Dynamic Voltage in HTS Materials under the Action of DC Transport Currents and Different Oscillating Magnetic Fields.. 2022 , 15,		0
131	Low-field high-harmonic generation in Mo ₆ S ₆ I ₂ Chevrel-phase superconductor. 2022 , 48, 16-19		
130	Time-varying magnetic field induced electric field across a current-transporting type-II superconducting loop: beyond dynamic resistance effect. <i>Superconductor Science and Technology</i> , 2022 , 35, 025018	3.1	1

129	Dynamic Response Simulation of the HTS Bulk Over an Actual Permanent Magnet Guideway Using Different E-J Relationships. 1		1
128	Investigation of transport mechanisms induced by filament-coupling bridges-network in Bi-2212 wires. <i>Superconductor Science and Technology</i> , 2022 , 35, 035002	3.1	1
127	OUP accepted manuscript.		
126	Magnetic Field- and Frequency-Dependent Study of the AC Susceptibility of High-Tc YBCO Single Crystal. 1		0
125	Recovering the performance of irradiated high-temperature superconductors for use in fusion magnets. <i>Superconductor Science and Technology</i> , 2022 , 35, 04LT01	3.1	0
124	Enhancement of functional properties of V0.6Ti0.4 alloy superconductor by the addition of yttrium. <i>Journal of Applied Physics</i> , 2022 , 131, 063901	2.5	0
123	Maxwell Variational Inequalities in Type-II Superconductivity. 2022 , 499-519		
122	On Magnetometric Determination of the Radiation Defect Concentration in a Superconducting GdBa ₂ Cu ₃ O _{7-x} Film. 2021 , 63, 888-896		1
121	Heat Treatment Optimization on Nb ₃ Sn Strands Based on Electrical and Physical Properties. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 1-1	1.8	1
120	Anisotropic Superconducting Properties of FeSe _{0.5} Te _{0.5} Single Crystals.		
119	Driven nonlinear damping and mode coupling in a superconducting levitated magnet. 2022 , 4,		
118	Fishtail effect and the vortex phase diagram of high-entropy alloy superconductor. 2022 , 120, 092602		2
117	Infield magnetic measurements of (Cu _{0.5} Tl _{0.5})Ba ₂ Ca ₃ (Cu _{4-x} Ti _x)O ₁₂ (x = 0, 0.25, 0.50, 0.75) samples. 2022 , 48, 193-199		
116	Superconductivity in Heusler compound ScAuAl. 2022 ,		
115	Improvement of critical current density of BaCuO by increase in configurational entropy of mixing. 2022 , 9, 211874		1
114	Fabrication of high-entropy REBa ₂ Cu ₃ O _{7-x} thin films by pulsed laser deposition.		3
113	Validation of a desktop-type magnet providing a quasi-microgravity space in a room-temperature bore of a high-gradient trapped field magnet (HG-TFM). <i>Superconductor Science and Technology</i> , 2022 , 35, 054003	3.1	0
112	A Review of Superconducting Magnetic Bearings and Their Application. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 32, 1-15	1.8	2

111	Inverse analysis of critical current density in a bulk high-temperature superconducting undulator. 2022 , 25,		
110	Investigation of diethanolamine (DEA) as a chelating agent in the fabrication of fluorine-free propionate route YBa ₂ Cu ₃ O ₇ (YBCO) thin films. <i>Superconductor Science and Technology</i> , 2022 , 35, 054010 ³¹		
109	Flux Creep in a Bi-2212 Rutherford Cable for Particle Accelerator Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 32, 1-5	1.8	0
108	The Effects of Conductor Magnetization on the Magnetic Field on an Accelerator Magnet System With Various Conductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 32, 1-7	1.8	1
107	Universal Behavior and Temperature Evolution of the Magnetoresistance Hysteresis in Granular High-Temperature Superconductors YBaCuO. 2021 , 63, 1069-1080		2
106	The Impact of Hydrogenation on Structural and Superconducting Properties of FeTeSe Single Crystals.. 2021 , 14,		
105	The superconducting transition and mixed state of YBa ₂ Cu ₃ O _{6.95} : an undergraduate experiment. 2022 , 43, 025501		
104	Mechanisms of the Magnetoresistance Hysteresis in a Granular HTS with the Paramagnetic Contribution by the Example of HoBa ₂ Cu ₃ O ₇ 2021 , 63, 1785-1794		
103	Magnetic Flux Jumps upon Magnetization of Superconducting Niobium Plate with the Magnetic Field Oriented Normally and Parallel to the Surface. 2021 , 66, 1311-1318		0
102	Comparative Analysis of the Magnetic Force Characteristics of the Permanent Magnet- and Superconducting Ribbon-Based Magnetic Lines. 2021 , 63, 1757-1764		
101	Protonation-induced discrete superconducting phases in bulk FeSe single crystals. <i>Physical Review B</i> , 2022 , 105,	3.3	2
100	Comparison of the Pinning Behavior of Nb ₃ Al Superconductors Prepared by MAT and RHQT Methods. 1		
99	Mechanism of the levitation force of a magnetized GdBCO bulk superconductor. <i>Ceramics International</i> , 2022 ,	5.1	0
98	Finite Field Transport Response of a Dilute Magnetic Topological Insulator-Based Josephson Junction.. 2022 ,		0
97	Rotating Machines Based on Superconducting Materials. 2022 , 339-371		
96	THE DYNAMICS OF THE FLUX JUMPS IN SUPERCONDUCTORS. 2022 , 8, 32-34		
95	Flux Pinning Properties of Single-Grain Bulk GdBCO Superconductors Processed by Different Thicknesses of Y123 Liquid Source. 2022 , 13, 701		
94	Maximum reduction of energy losses in multicore MgB[Formula: see text] wires by metastructured soft-ferromagnetic coatings.. 2022 , 12, 7030		0

93	Effect of Pb addition on microstructure, transport properties, and the critical current density in a polycrystalline FeSe _{0.5} Te _{0.5} . 2022 , 128,		1
92	Effect of low-temperature thermal annealing on the vortex dynamics of metastable Bi ₂ Pd single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2022 , 1354051	1.3	○
91	Enhancement of critical current density and strong vortex pinning in high entropy alloy superconductor Ta _{1/6} Nb _{2/6} Hf. 2022 , 232, 117971		○
90	Magnetic Relaxation in Commercial REBCO Tapes with and without Artificial Pinning Centers. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 1-1	1.8	
89	Using new solid sources for controlling the bulk size expansion and improving the performance of single-grain YBaCuO bulk superconductors. <i>Ceramics International</i> , 2022 ,	5.1	○
88	Pinning Potential of the Self-Assembled Artificial Pinning Centers in Nanostructured YBa ₂ Cu ₃ O _{7-x} Superconducting Films. <i>Nanomaterials</i> , 2022 , 12, 1713	5.4	○
87	The effect of grinding condition on superconducting properties for iron chalcogenide Fe(SeTe) crystals. <i>Journal of Materials Science</i> , 2022 , 57, 9323-9333	4.3	○
86	Portable, desktop high-field magnet systems using bulk, single-grain RE-Ba-Cu-O high-temperature superconductors. <i>Superconductor Science and Technology</i> ,	3.1	○
85	Significant enhancement of critical current density in H ⁺ -intercalated FeSe single crystal. <i>Superconductor Science and Technology</i> , 2022 , 35, 075012	3.1	○
84	Cu/Ta sheaths for iron-based superconductors: first experimental findings in Ca/K-1144 wires. 2022 , 100014		1
83	Superconducting and structural properties of the noncentrosymmetric Re ₆ Hf superconductor under high pressure. <i>Physical Review B</i> , 2022 , 105,	3.3	○
82	Novel ultra-sonic boron refinement in distilled water for cost-efficient fabrication of MgB ₂ bulk ceramic superconductors. <i>Ceramics International</i> , 2022 ,	5.1	○
81	Coexistence of different pinning mechanisms in Bi-2223 superconductor and its implications for using the material for high current applications. <i>Journal of Applied Physics</i> , 2022 , 131, 243901	2.5	
80	The flux pinning energy studies of (Mo/W) co-doping bulk BPSCCO superconductor. <i>Journal of Materials Science: Materials in Electronics</i> ,	2.1	
79	Magnetic field screening in hydrogen-rich high-temperature superconductors. <i>Nature Communications</i> , 2022 , 13,	17.4	○
78	Suppression of Superconductivity in Heavy-ion Irradiated 2H-NbSe ₂ Caused by Negative Pressure. <i>Journal of the Physical Society of Japan</i> , 2022 , 91,	1.5	○
77	Graphene doping effects on the magnetic and transport properties of YBa ₂ Cu ₃ O _{7-x} -high temperature superconductor. <i>Physica B: Condensed Matter</i> , 2022 , 414192	2.8	○
76	K-doped Ba ₁₂₂ epitaxial thin film on MgO substrate by buffer engineering. <i>Superconductor Science and Technology</i> ,	3.1	○

75	Transition of vortex pinning behaviour induced by an artificial microstructure design in Ba(Fe _{0.94} Co _{0.06}) ₂ As ₂ pnictide superconductor. <i>Materials Today Physics</i> , 2022 , 100783	8	
74	Optimizing trapped field in superconductors with perforations. <i>Physica C: Superconductivity and Its Applications</i> , 2022 , 600, 1354106	1.3	
73	Flux Pinning Properties of Ce and La Co-Doped GdBa ₂ Cu ₃ O _y Thin Films Fabricated by Fluorine-Free MOD Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 32, 1-5	1.8	3
72	Rapid assessment of REBCO CC angular critical current density J _c (B,T=4.2, K) using torque magnetometry up to at least 30 tesla. <i>Superconductor Science and Technology</i> ,	3.1	0
71	Anisotropic Magnetization of an NbN Film. 2022 , 134, 707-712		
70	Experiment and Numerical Modeling of Current Distributions Inside REBCO Tapes of No-Insulation Superconducting Magnet Coils Under Time-Varying Fields.		
69	On the Analysis of the Tin-Inside-H ₃ S Mössbauer Experiment.		0
68	Fabrication of superconducting coils and (Ba,A)Fe ₂ As ₂ (A:Na, K) long round wires with large superconducting cores. 2022 , 2323, 012020		1
67	Magnetization loops and non-scaling behavior of flux pinning force of Fe _{1+y} Te _{1-x} Se _x studied by numerical simulation. 2022 , 35, 105003		
66	Evidence Against Superconductivity in Flux Trapping Experiments on Hydrides Under High Pressure.		0
65	MgB ₂ Thin Films Fabricated by Pulsed Laser Deposition Using Nd:YAG Laser in an In Situ Two-Step Process. 2022 , 7, 48		
64	Tracking the Meissner Hole and Relaxation of Magnetization in (Ba,Rb)Fe ₂ As ₂ . 2022 , 2323, 012016		
63	Vortex Dynamics and Critical Current Densities in 90 K-phase and 60 K-phase YBa ₂ Cu ₃ O _{7-δ} with Splayed Columnar Defects. 2022 , 2323, 012018		
62	Peak Effects in 2H-NbSe ₂ Single Crystals Introduced with Artificial Defects by Particle Irradiation. 2022 , 2323, 012017		
61	AC Loss Analysis and Modular Cryostat Design of A 10-MW High-Temperature Superconducting Double Stator Flux Modulation Machine. 2022 , 1-9		0
60	Mechanism of J _c Enhancement for 122-Type IBS Tapes. 2022 , 65-84		0
59	Measurement Methods for Critical Current Density. 2022 , 205-226		0
58	Dependence of thermomagnetic instability on the strong nonlinear $E \propto J^n$ models in superconducting films. 2022 , 0		0

57	Modelling the Flux-Line Cutting in the Magnetization of a Weak-Pinning Type-II Superconductor. 2022,	0
56	Fabrication and Characterization Methods. 2022, 21-27	0
55	Study on I-V Behavior of YBCO Film on 5 mm × 10 mm LAO Under DC Pulse by Electric Transport Method.	0
54	Analytical Approximations for the Self-field Distribution of a Superconducting Tape between Iron Cores.	1
53	Review of high temperature superconducting flux pumps. 2022, 3, 100022	4
52	Reducing cross-field demagnetization of superconducting stacks by soldering in pairs. 2022, 35, 115001	0
51	Significant enhancement of transport J_c in Cu/Ag-sheathed (Ba,K)Fe ₂ As ₂ superconducting tapes by pre-composite technique.	0
50	Effects of Sn-ion irradiation on local structure and flux pinning properties of MgB ₂ thin films. 2022,	0
49	Robust bulk superconductivity by giant proximity effect in Weyl semimetal-superconducting NbP/NbSe ₂ composites. 2022, 132, 123903	0
48	Drastic enhancement of magnetic critical current density in Zn doped Bi-2212. 2022, 1354152	0
47	In-field Performance Comparison and Vortex Pinning Analysis in Depth of Pristine and BaHfO ₃ -Doped Y _{0.5} Gd _{0.5} Ba ₂ Cu ₃ O _{7-δ} Films in Different Temperature Regions.	0
46	Ferromagnetic exchange field stabilized antiferromagnetic ordering in a cuprate superconductor. 2022, 106,	0
45	Characterization of YBa ₂ Cu ₃ O _{7-δ} Coplanar resonator for Microwave Kinetic Inductance Detectors.	1
44	Thermodynamic approach for enhancing superconducting critical current performance. 2022, 14,	1
43	Flux penetration of an HTS coated-conductor tape by an approaching permanent magnet. 2022, 100026	0
42	Synthesis and HRTEM Investigation of EuRbFe ₄ As ₄ Superconductor. 2022, 12, 3801	0
41	Strong Magnetic Field Dependence of Micro-YBCO Superconductor Levitated Above Halbach Guideway. 2022, 71, 1-10	1
40	Pinning potential in highly performant CaKFe ₄ As ₄ superconductor from DC magnetic relaxation and AC multi-frequency susceptibility studies. 2022, 12,	0

- 39 Understanding the porosity and its effects on the superconducting properties of YBCO single grains. **2022**, ○
- 38 Fabrication of MgB₂ Thin Films Using Nd:YAG-PLD Method in an *in-situ* Post-annealing Process. **2022**, 57, 362-367 ○
- 37 Quasi-Two-Dimensional Nature of High-T_c Superconductivity in Iron-Based (Li,Fe)OHFeSe. **2022**, 39, 127402 ○
- 36 Second magnetization peak, anomalous field penetration, and Josephson vortices in KCa₂Fe₄As₄F₂ bilayer pnictide superconductor. **2022**, 12, ○
- 35 Electronic properties of η -Mn-type non-centrosymmetric superconductor Re_{5.5}Ta under hydrostatic pressure. **2023**, 36, 025002 ○
- 34 Superconducting properties and intergranular coupling of high-strength Sr_{1-x}K_xFe₂As₂/Ag/Nb/Cu composite conductors. **2022**, ○
- 33 Magnetization loss and transport current loss in ReBCO racetrack coils carrying stationary current in time-varying magnetic field at 4.2 K. **2023**, 36, 015011 ○
- 32 Thermomagnetic instabilities in 3D network of superconducting lead nanofilaments in porous glass. ○
- 31 Numerical modelling of high-temperature superconducting dynamos: a review. **2022**, 100033 ○
- 30 Fast Neutron Irradiation Effects on (Bi_{1.6}Pb_{0.4})Sr₂Ca₂Cu₃O₁₀ Superconductor Prepared Using Co-precipitation Technique. ○
- 29 Growth of YBa₂Cu₃O_{7- δ} superconducting films under different atmospheres by pulsed laser deposition. **2023**, 605, 1354206 ○
- 28 Magnetic flux penetration in nanoscale wedge-shaped superconducting thin films. **2022**, 106, ○
- 27 Strong-coupling superconductivity and weak vortex pinning in Ta-doped CsV₃Sb₅ single crystals. **2022**, 106, ○
- 26 Current distribution monitoring enables quench and damage detection in superconducting fusion magnets. **2022**, 12, ○
- 25 Enhanced flux pinning properties for GdBa₂Cu₃O_{7- δ} films with nanosized La_{0.67}Sr_{0.33}MnO₃ inclusions on SrTiO₃ substrate by RF magnetic sputtering method. **2023**, 34, ○
- 24 Numerical modelling of soldered superconducting REBCO stacks of tapes suggests strong reduction in cross-field demagnetization. **2023**, 13, ○
- 23 Superconducting phase diagram of lanthanum films on the substrate of Si(100). **2023**, 657, 414815 ○
- 22 Residual magnetic field induced by superconducting magnets of Large Helical Device. **2023**, 132, 103673 ○

- 21 Impact of Calcium Doping of YBa₂Cu₃O_{7-x} Multilayer Thin Films on the Flux Pinning Landscape at 65 K, 0 T for Various Applications. **2023**, 33, 1-6 ○
- 20 Greatly Improved Trapped Magnetic Fields of REBCO Melt-Grown Bulks Through Reductive High-Temperature Post-Annealing. **2023**, 33, 1-5 ○
- 19 Superconducting Properties of High-Entropy Type RE₁₂₃ Thin Films by Fluorine-Free MOD Method. **2023**, 33, 1-3 ○
- 18 Effect of Gd addition on the superconducting properties of Ti-based V, Nb, Ta alloys. **2023**, 6, 100048 ○
- 17 Effect of the Buffer Layers on the Performance of Fe(Se, Te) Films Fabricated on IBAD Metal Templates by Pulsed Laser Deposition. ○
- 16 Role of Superconducting Materials in the Endeavor to Stop Climate Change and Reach Sustainable Development. ○
- 15 Josephson Effect in Nanographite Films. **2022**, 67, 696-699 ○
- 14 Macroscopically ordered phase separation: A new strategy for improving the superconducting performance in Fe(Se, Te). **2023**, 17, 100354 ○
- 13 Critical Current Density, Vortex Pinning, and Phase Diagram in the NaCl-Type Superconductors InTe_{1-x}Se_x (x = 0, 0.1, 0.2). **2023**, 40, 037403 ○
- 12 Field-Induced Tuning of the Pairing State in a Superconductor. **2023**, 13, ○
- 11 Trapped Fields of Hot-Pressed MgB₂ for Applications in Liquid Hydrogen. **2023**, 1-6 ○
- 10 Effects of edge cracks on the thermomagnetic instabilities of type-II superconducting thin films. **2023**, 10, ○
- 9 Raising critical currents in YBaCuO-type high-temperature superconductors by Mo substitution. **2023**, 49, 364-374 ○
- 8 AC Susceptibility and Electrical Properties of BiFeO₃ Nanoparticles Added Bi_{1.6}Pb_{0.4}Sr₂Ca₂Cu₃O₁₀ Superconductor. ○
- 7 High Critical Current Densities by Controlling Layer Thickness for FF-MOD GdBa₂Cu₃O_y Introduced BaMO₃ (M = Ce, Zr) Artificial Pins. **2023**, 33, 1-4 ○
- 6 Effectiveness of Two Pinning Profiles in Controlling Magnetic Critical Current Density in YBCO + YCMO Composites. ○
- 5 High-Entropy Superconducting Oxides (Y,Nd,Eu,Sm,Ho)Ba₂Cu₃O_y with Different Oxygen Contents. ○
- 4 Cometal Addition Effect on Superconducting Properties and Granular Behaviours of Polycrystalline FeSe_{0.5}Te_{0.5}. **2023**, 16, 2892 ○

- 3 Optimization of BaHfO₃ Additions to YBa₂Cu₃O_{7-x} Thin Films Over a Wide Temperature and Field Range. **2023**, 33, 1-5 ○
- 2 Phase Transition of Nb₃Sn during the Heat Treatment of Precursors after Mechanical Alloying. **2023**, 13, 660 ○
- 1 Tuning of grain boundaries in MgB₂ by boron ultra-sonication in 2-propanol - a way to low-cost high-J bulk superconducting magnets. **2023**, 170146 ○