

# Carlo Rizzuto

## List of Publications by Year in descending order

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63  
papers

1,400  
citations

411340

20  
h-index

388640

36  
g-index

65  
all docs

65  
docs citations

65  
times ranked

281  
citing authors

#	ARTICLE	IF	CITATIONS
1	The social accountability reporting project at Elettra. <i>Research Evaluation</i> , 2005, 14, 149-156.	1.3	1
2	Title is missing!. <i>European Physical Journal B</i> , 2002, 25, 439-443.	0.6	22
3	Determination of the intragrain critical current density of the Bi(2223) phase inside Ag-sheathed tapes. <i>Superconductor Science and Technology</i> , 1998, 11, 837-842.	1.8	7
4	Normal state magnetoresistivity of polycrystalline HoNi <sub>2</sub> B <sub>2</sub> C. <i>Solid State Communications</i> , 1996, 99, 209-214.	0.9	2
5	Apparatus for thermal diffusivity measurements in an extended temperature range. <i>Cryogenics</i> , 1994, 34, 457-460.	0.9	0
6	Magnetic characterization of pressed AG-sheathed BSCCO (2223) tapes. <i>Cryogenics</i> , 1994, 34, 801-804.	0.9	5
7	a.c. susceptibility of a YBCO single crystal in an extended frequency range interpreted by numerical solution of the continuity equation for the magnetic field. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1993, 15, 511-518.	0.4	1
8	Flux-line dynamics in YBCO and BSCOO single crystals: thermal activation theory interpretation of magnetization measurements. <i>Superconductor Science and Technology</i> , 1993, 6, 46-52.	1.8	5
9	Magnetization decay and pinning energy in a BSCCO single crystal: a comparison between different methods of measurement. <i>Superconductor Science and Technology</i> , 1992, 5, S448-S451.	1.8	4
10	Fourteenth International Cryogenic Engineering Conference. <i>Cryogenics</i> , 1992, 32, 531.	0.9	0
11	Observation of Phonon-Fluxon Scattering in YBa <sub>2</sub> C <sub>3</sub> O <sub>7</sub> through Thermal Diffusivity Measurements. <i>Europhysics Letters</i> , 1990, 13, 573-573.	0.7	0
12	Critical state in high T <sub>c</sub> superconductors: magnetization and creep of the intergranular region. <i>Cryogenics</i> , 1990, 30, 569-575.	0.9	12
13	Observation of Phonon-Fluxon Scattering in YBa <sub>2</sub> C <sub>3</sub> O <sub>7</sub> Through Thermal Diffusivity Measurements. <i>Europhysics Letters</i> , 1990, 13, 181-186.	0.7	10
14	YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> superconducting oxides obtained by melting. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 153-155, 397-398.	0.6	2
15	Magnetisation measurements on tubular samples of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-y</sub> . <i>Superconductor Science and Technology</i> , 1988, 1, 30-35.	1.8	24
16	Resistive and current carrying properties of YBCO superconductors. <i>Physica Scripta</i> , 1988, 37, 922-924.	1.2	2
17	SYSTEMATIC MEASUREMENTS OF CRITICAL CURRENT AND OTHER PARAMETERS IN M1Ba <sub>2</sub> Cu <sub>3</sub> CUPRATES. <i>Modern Physics Letters B</i> , 1987, 01, 225-230.	1.0	6
18	Synthesis of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> polycrystalline superconductors from Ba peroxide: First physico-chemical characterization. <i>Journal of Crystal Growth</i> , 1987, 85, 623-627.	0.7	29

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19	11th International Cryogenic Engineering Conference (ICEC 11). Cryogenics, 1986, 26, 489-491.	0.9	1
20	Continuously cooled coldplates: revisited. Cryogenics, 1986, 26, 471-474.	0.9	12
21	Tenth international cryogenic engineering conference Otaniemi, Finland, 31 July – 3 August 1984. Cryogenics, 1985, 25, 222-223.	0.9	0
22	Behaviour of Nb <sub>3</sub> Sn multifilamentary wire with H additions. Cryogenics, 1985, 25, 208-211.	0.9	7
23	T <sub>2</sub> terms in the electrical resistivity of the noble metals: evidence for contributions from the surface. Journal of Physics F: Metal Physics, 1983, 13, L53-L58.	1.6	16
24	Superconducting shields for alternating magnetic fields. Cryogenics, 1982, 22, 145-146.	0.9	1
25	Low temperature T <sub>2</sub> deviations from Matthiessen's rule due to surface scattering: Al, In, Cd, Hg and Pt. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1981, 107, 139-140.	0.9	4
26	Deviations from Matthiessen's Rule Due to Surface Scattering: Aluminium. , 1981, , 63-71.		2
27	Progress report on superconductivity. International Journal of Refrigeration, 1979, 2, 133-138.	1.8	1
28	Cryogenics worldwide – Italy Research at low temperatures in Italy – present status and perspectives. Cryogenics, 1979, 19, 243-253.	0.9	1
29	Deviations from Matthiessen's rule in K and Li: A comparison with other metals. Journal of Low Temperature Physics, 1976, 23, 103-117.	0.6	16
30	The impurity resistivity of ZnFe alloys. Journal of Low Temperature Physics, 1975, 21, 243-255.	0.6	7
31	Deviations from Matthiessen's rule at low temperatures: An experimental comparison between various metallic alloy systems. Advances in Physics, 1974, 23, 639-671.	35.9	114
32	Formation of localized moments in metals: experimental bulk properties. Reports on Progress in Physics, 1974, 37, 147-229.	8.1	210
33	The thermoelectric power of some ThCe alloys: A reply. Journal of Low Temperature Physics, 1974, 14, 243-245.	0.6	0
34	The Linear Variation of the Impurity Resistivity in AlMn, AlCr, ZnFe, and Other Dilute Alloys. , 1974, , 484-487.		1
35	The thermoelectric power of some ThCe alloys. Journal of Low Temperature Physics, 1973, 10, 207-215.	0.6	13
36	Kinematic design of a down-tube positioner for a Faraday magnetometer. Cryogenics, 1973, 13, 150-152.	0.9	3

#	ARTICLE	IF	CITATIONS
37	Magnetic to nonmagnetic transition of cerium impurities in (La, Th) alloys. Solid State Communications, 1973, 13, 5-7.	0.9	31
38	Superconducting properties of Cr and Mn alloys. Solid State Communications, 1973, 12, 885-889.	0.9	18
39	Phonon resistivity in concentrated aluminium alloys. Solid State Communications, 1973, 12, 891-895.	0.9	31
40	The impurity resistivity and resistivity minima in Cr and Mn alloys. Solid State Communications, 1973, 13, 1027-1030.	0.9	15
41	Temperature dependence of the resistivity in localized spin fluctuation and in Kondo systems: an experimental comparison. Journal of Physics F: Metal Physics, 1973, 3, 825-831.	1.6	27
42	Phonon resistivity in zinc alloys. Journal of Physics F: Metal Physics, 1973, 3, L195-L198.	1.6	15
43	Kondo Effect and Localized Spin Fluctuations in the Zinc-3d-Transition-Metal System. Physical Review B, 1972, 6, 1851-1864.	1.1	30
44	Resistivity of Cr and Mn to below 0.1 Å°K. Physics Letters, Section A: General, Atomic and Solid State Physics, 1972, 40, 405-406.	0.9	13
45	The temperature dependence of the impurity resistivity of Mn and Cr. Solid State Communications, 1972, 11, 519-523.	0.9	21
46	Superconductivity and localized spin fluctuations in concentrated aluminum-3d-transition-metal alloys. Journal of Low Temperature Physics, 1972, 8, 219-228.	0.6	17
47	A low impedance potentiometric set-up for high accuracy resistivity measurements at low temperatures. Cryogenics, 1971, 11, 306-307.	0.9	7
48	A low impedance potentiometric set-up for high accuracy resistivity measurements at low temperatures. Cryogenics, 1971, 11, 145-146.	0.9	0
49	Superconducting transition temperature measurements on supersaturated alloys of iron in aluminium. Journal of Physics F: Metal Physics, 1971, 1, L18-L20.	1.6	7
50	Momentum Nonconservation and the Low-Temperature Resistivity of Alloys. Physical Review Letters, 1971, 26, 239-242.	2.9	79
51	High-Temperature Spin-Fluctuation Resistivity in AlMn. Physical Review Letters, 1971, 27, 805-808.	2.9	34
52	Breakdown of Matthiessen's rule in aluminium alloys. Journal of Physics C: Solid State Physics, 1970, 3, L117-L120.	1.5	81
53	Anomalies in the Electrical Resistance of Al:Mn and Al:Cr Alloys. Physical Review Letters, 1968, 21, 746-748.	2.9	122
54	Magnetic Ordering in Dilute Cd-Mn Alloys. Journal of Applied Physics, 1968, 39, 851-852.	1.1	8

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55	Superconductivity, Low-Temperature Resistivity, and Thermoelectric Power of Dilute Solid Solution of Ce in In and Sn. Journal of Applied Physics, 1968, 39, 848-848.	1.1	6
56	Influence of Magnetic Ordering on the Low-Temperature Electrical Resistance of Dilute Cd-Mn and Zn-Mn Alloys. Physical Review, 1967, 163, 517-522.	2.7	31
57	Resistivity and tunnelling properties of paramagnetic alloy films. Physics Letters, Section A: General, Atomic and Solid State Physics, 1967, 24, 17-18.	0.9	3
58	Effect of an electric field on positronium formation in liquid $^4\text{He}$ . Il Nuovo Cimento B, 1966, 43, 166-169.	0.1	5
59	The effect of transition-metal impurities on the residual resistivity of Al, Zn, In and Sn. Il Nuovo Cimento B, 1966, 45, 226-240.	0.1	58
60	Effect of Transition-Metal Impurities on the Critical Temperature of Superconducting Al, Zn, In, and Sn. Physical Review, 1966, 148, 353-361.	2.7	118
61	Direct evidence for quantized flux threads in type - II superconductors. Solid State Communications, 1965, 3, 173-176.	0.9	36
62	Effect of Transition Metal Impurities on the Critical Temperature of Nontransition Metals. Reviews of Modern Physics, 1964, 36, 162-164.	16.4	21
63	Superconductive transition of aluminium containing transition metal impurities. Physics Letters, 1963, 5, 20-21.	2.2	24