Carlo U Segre

List of Publications by Year
in descending order

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147 papers	6,397 citations	81434 41 h-index	81351 76 g-index
151 all docs	151 docs citations	151 times ranked	6812 citing authors

#	Article	IF	Citations
1	A New Graphitic Nitride and Reduced Graphene Oxide-Based Sulfur Cathode for High-Capacity Lithium-Sulfur Cells. Energies, 2022, 15, 702.	1.6	0
2	Synthesis and Electrochemical Properties of Lignin-Derived High Surface Area Carbons. Surfaces, 2022, 5, 265-279.	1.0	2
3	Nickel Hydroxide Nanofluid Cathodes with High Solid Loadings and Low Viscosity for Energy Storage Applications. Energies, 2022, 15, 4728.	1.6	2
4	Efficient electrocatalytic conversion of CO2 to ethanol enabled by imidazolium-functionalized ionomer confined molybdenum phosphide. Applied Catalysis B: Environmental, 2022, 317, 121681.	10.8	6
5	A novel SAXS model for multi-texture systems: application to CaCO3 calcination using in-situ USAXS-SAXS-WAXS. Applied Materials Today, 2022, 29, 101568.	2.3	1
6	Fundamental understanding of high-capacity lithium-excess cathodes with disordered rock salt structure. Journal of Materials Science and Technology, 2021, 74, 60-68.	5.6	8
7	Roles of Mn and Ni in Li-rich Mn-Ni-Fe oxide cathodes. Materials Today Communications, 2021, 26, 101693.	0.9	1
8	Rational design of titanium oxide-coated dual Coreâ€“Shell sulfur nanocomposite cathode for highly stable lithiumâ€“sulfur batteries. Journal of Physics and Chemistry of Solids, 2021, 149, 109791.	1.9	16
9	Role of Fe Doping on Local Structure and Electrical and Magnetic Properties of PbTiO₃. Journal of Physical Chemistry C, 2021, 125, 12342-12354.	1.5	4
10	Electrochemical Reaction Mechanism of High-Entropy Oxides in Li-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-01, 107-107.	0.0	0
11	In situ XAS study of the local structure of the nano-Li₂FeSiO₄/C cathode. JPhys Energy, 2021, 3, 034015.	2.3	4
12	Antiferromagnetic Order and Spin-Canting Transition in the Corrugated Square Net Compound Cu₃(TeO₄)(SO₄)Â·H₂O. Inorganic Chemistry, 2021, 60, 10565-10571.	1.9	3
13	Structure and Electronic Effects from Mn and Nb Co-doping for Low Band Gap BaTiO₃ Ferroelectrics. Journal of Physical Chemistry C, 2021, 125, 14910-14923.	1.5	28
14	Gold-like activity copper-like selectivity of heteroatomic transition metal carbides for electrocatalytic carbon dioxide reduction reaction. Nature Communications, 2021, 12, 5067.	5.8	40
15	Diaboloid mirror for a bending magnet beamline. , 2021, , .		2
16	High-Pressure Synthesis of Double Perovskite Ba₂NiIrO₆: In Search of a Ferromagnetic Insulator. Inorganic Chemistry, 2021, 60, 1241-1247.	1.9	14
17	Influence of Coordination Environment of Anchored Singleâ€Site Cobalt Catalyst on CO₂ Hydrogenation. ChemCatChem, 2020, 12, 846-854.	1.8	27
18	Nanoscale MnO2 cathodes for Li-ion batteries: effect of thermal and mechanical processing. Journal of Power Sources, 2020, 448, 227374.	4.0	13

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19	Dualâ€Metal Interbonding as the Chemical Facilitator for Singleâ€Atom Dispersions. Advanced Materials, 2020, 32, e2003484.	11.1	90
20	Synthesis of a Very High Specific Surface Area Active Carbon and Its Electrical Double-Layer Capacitor Properties in Organic Electrolytes. ChemEngineering, 2020, 4, 43.	1.0	33
21	Spontaneous redox continuum reveals sequestered technetium clusters and retarded mineral transformation of iron. Communications Chemistry, 2020, 3, .	2.0	8
22	Surface decoration accelerates the hydrogen evolution kinetics of a perovskite oxide in alkaline solution. Energy and Environmental Science, 2020, 13, 4249-4257.	15.6	33
23	Kinetically Stable Oxide Overlayers on Mo₃P Nanoparticles Enabling Lithiumâ€“Air Batteries with Low Overpotentials and Long Cycle Life. Advanced Materials, 2020, 32, e2004028.	11.1	42
24	MnO2-Coated Dual Coreâ€“Shell Spindle-Like Nanorods for Improved Capacity Retention of Lithiumâ€“Sulfur Batteries. ChemEngineering, 2020, 4, 42.	1.0	7
25	A new graphitic carbon nitride-coated dual Coreâ€“Shell sulfur cathode for highly stable lithiumâ€“sulfur cells. Materials Chemistry and Physics, 2020, 246, 122842.	2.0	14
26	Oxygen Functionalized Copper Nanoparticles for Solar-Driven Conversion of Carbon Dioxide to Methane. ACS Nano, 2020, 14, 2099-2108.	7.3	21
27	Origin of itinerant carriers in antiferromagnetic LaFe1âˆ’xMoxO3 studied by x-ray spectroscopies. Physical Review Materials, 2020, 4, .	0.9	4
28	Focusing options for a bending magnet beamline. , 2020, , .		0
29	Initial assessment of multilayer silicon detectors for hard X-ray imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 942, 162414.	0.7	4
30	Coexistence of static and dynamic magnetism in the Kitaev spin liquid material <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml: Physical Review B, 2019, 100, .	1.1	36
31	MnFe0.5Ru0.5O3: an above-room-temperature antiferromagnetic semiconductor. Journal of Materials Chemistry C, 2019, 7, 509-522.	2.7	5
32	Long-Term Cycle Behavior of Nano-LiCoO₂and Its Postmortem Analysis. Journal of Physical Chemistry C, 2019, 123, 3299-3308.	1.5	8
33	MnO₂-Coated Sulfur-Filled Hollow Carbon Nanosphere-Based Cathode Materials for Enhancing Electrochemical Performance of Li-S Cells. Journal of the Electrochemical Society, 2019, 166, A1355-A1362.	1.3	18
34	Identifying Catalytic Active Sites of Trimolybdenum Phosphide (Mo₃P) for Electrochemical Hydrogen Evolution. Advanced Energy Materials, 2019, 9, 1900516.	10.2	47
35	Discovery of Anion Insertion Electrochemistry in Layered Hydroxide Nanomaterials. Scientific Reports, 2019, 9, 2462.	1.6	10
36	High Temperature X-ray Absorption Spectroscopy of the Local Electronic Structure and Oxide Vacancy Formation in the Sr₂Fe_{1.5}Mo_{0.5}O_{6âˆ’Î´} Solid Oxide Fuel Cell Anode Catalyst. ACS Applied Energy Materials, 2019, 2, 3061-3070.	2.5	6

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37	Charge disproportionate antiferromagnetism at the verge of the insulator-metal transition in doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaFeO</mml:mi><mml:mn>3</mml:mn></mml:msub><m Physical Review B, 2019, 99, .	1.1	12
38	Tetragonal Cs_{1.17}In_{0.81}Cl₃: A Charge-Ordered Indium Halide Perovskite Derivative. Chemistry of Materials, 2019, 31, 1981-1989.	3.2	20
39	Enhancement in Electrochemical Performance of Lithiumâ€Sulfur Cells through Sulfur Encapsulation in Hollow Carbon Nanospheres Coated with Ultraâ€Thin Aluminum Fluoride Layer. ChemistrySelect, 2019, 4, 12622-12629.	0.7	9
40	Analysis of textural properties of CaO-based CO2 sorbents by ex situ USAXS. Chemical Engineering Journal, 2019, 355, 760-776.	6.6	22
41	Effect of Sub-nanoparticle Architecture on Cycling Performance of MnO₂ Battery Cathodes through Thermal Tuning of Polymorph Composition. Crystal Growth and Design, 2019, 19, 1584-1591.	1.4	5
42	Quench-free enhanced emission in cluster-free Er-doped heavy metal oxide glasses. Optical Materials Express, 2019, 9, 1072.	1.6	1
43	In Situ EXAFSâ€Derived Mechanism of Highly Reversible Tin Phosphide/Graphite Composite Anode for Liâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702134.	10.2	55
44	YCrWO₆: Polar and Magnetic Oxide with CaTa₂O₆-Related Structure. Chemistry of Materials, 2018, 30, 1045-1054.	3.2	22
45	Structural Studies of Capacity Activation and Reduced Voltage Fading in Li-Rich, Mn-Ni-Fe Composite Oxide Cathode. Journal of the Electrochemical Society, 2018, 165, A71-A78.	1.3	17
46	Synthesis and electrochemical properties of partially fluorinated ether solvents for lithium sulfur battery electrolytes. Journal of Power Sources, 2018, 401, 271-277.	4.0	23
47	Evolution of the Local Structure within Chromophoric Mnâ€“O₅ Trigonal Bipyramids in YMn_{1â€“x}In_xO₃ with Composition. Inorganic Chemistry, 2018, 57, 9012-9019.	1.9	12
48	A dual-bandwidth multilayer monochromator system. , 2018, , .		0
49	Two-Dimensional Hybrid Organohalide Perovskites from Ultrathin PbS Nanocrystals as Template. Journal of Physical Chemistry C, 2017, 121, 6401-6408.	1.5	16
50	Controlled synthesis of MnO2 nanoparticles for aqueous battery cathodes: polymorphismâ€“capacity correlation. Journal of Materials Science, 2017, 52, 8107-8118.	1.7	22
51	Electroactive nanofluids with high solid loading and low viscosity for rechargeable redox flow batteries. Journal of Applied Electrochemistry, 2017, 47, 593-605.	1.5	23
52	Î²-Nickel hydroxide cathode material for nano-suspension redox flow batteries. Frontiers in Energy, 2017, 11, 401-409.	1.2	13
53	Molecular beam epitaxy growth and structure of self-assembled Bi₂Se₃/Bi₂MnSe₄ multilayer heterostructures. New Journal of Physics, 2017, 19, 085002.	1.2	58
54	Role of crystal lattice templating and galvanic coupling in enhanced reversible capacity of Ni(OH)2/Co(OH)2 core/shell battery cathode. Electrochimica Acta, 2017, 258, 684-693.	2.6	15

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55	Structure-property relationships in NOx sensor materials composed of arrays of vanadium oxide nanoclusters. Solid State Sciences, 2017, 74, 1-7.	1.5	2
56	Synthetic and Spectroscopic Study of the Mechanism of Atomic Layer Deposition of Tin Dioxide. Organometallics, 2016, 35, 1202-1208.	1.1	12
57	Ba3(Cr0.97(1)Te0.03(1))2TeO9: in Search of Jahnâ€“Teller Distorted Cr(II) Oxide. Inorganic Chemistry, 2016, 55, 10135-10142.	1.9	8
58	Studies of single crystal CVD diamonds for potential applications in x-ray crystal optics. , 2016, , .		0
59	Structural analysis of Tm3+ doped Asâ€“Sâ€“Ga glasses by Raman and EXAFS spectroscopy. Journal of Non-Crystalline Solids, 2016, 432, 487-492.	1.5	3
60	Potential-Resolved In Situ X-ray Absorption Spectroscopy Study of Sn and SnO₂ Nanomaterial Anodes for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2016, 120, 5331-5339.	1.5	57
61	Development of a multilayer monochromator system for the BioCAT beamline. Proceedings of SPIE, 2016, , .	0.8	1
62	Dopant activation in Sn-doped Ga2O3 investigated by X-ray absorption spectroscopy. Applied Physics Letters, 2015, 107, .	1.5	53
63	Highâ€Temperature, Inâ€…Situ Xâ€ray Absorption Study of Sr₂MgMoO₆ Solidâ€Oxide Fuelâ€Cell Anode Materials. ChemElectroChem, 2015, 2, 1568-1575.	1.7	5
64	In Situ X-ray Absorption Spectroscopy Study of the Capacity Fading Mechanism in Hybrid Sn₃O₂(OH)₂/Graphite Battery Anode Nanomaterials. Chemistry of Materials, 2015, 27, 574-580.	3.2	16
65	Investigation of CaOâ€“CO2 reaction kinetics by in-situ XRD using synchrotron radiation. Chemical Engineering Science, 2015, 127, 13-24.	1.9	39
66	Spectroscopic Evidence of Uranium Immobilization in Acidic Wetlands by Natural Organic Matter and Plant Roots. Environmental Science & Technology, 2015, 49, 2823-2832.	4.6	39
67	E-Spun Composite Fibers of Collagen and Dragline Silk Protein: Fiber Mechanics, Biocompatibility, and Application in Stem Cell Differentiation. Biomacromolecules, 2015, 16, 202-213.	2.6	57
68	Efficient Solidâ€State Lightâ€Emitting CuCdS Nanocrystals Synthesized in Air. Angewandte Chemie - International Edition, 2015, 54, 2643-2648.	7.2	24
69	Efficient Solidâ€State Lightâ€Emitting CuCdS Nanocrystals Synthesized in Air. Angewandte Chemie, 2015, 127, 2681-2686.	1.6	11
70	In Situ XAFS Study of the Capacity Fading Mechanisms in ZnO Anodes for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2015, 162, A1935-A1939.	1.3	45
71	CaCO₃ Crystallite Evolution during CaO Carbonation: Critical Crystallite Size and Rate Constant Measurement by In-Situ Synchrotron Radiation X-ray Powder Diffraction. Crystal Growth and Design, 2015, 15, 5188-5201.	1.4	34
72	The synthesis of ternary acetylides with tellurium: Li₂TeC₂ and Na₂TeC₂. RSC Advances, 2015, 5, 55986-55993.	1.7	3

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73	Engineering nanofluid electrodes: controlling rheology and electrochemical activity of Î³-Fe2O3 nanoparticles. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	13
74	Amorphous Wâ€“Sâ€“N thin films: The atomic structure behind ultra-low friction. Acta Materialia, 2015, 82, 84-93.	3.8	31
75	Note: Sample chamber for in situ x-ray absorption spectroscopy studies of battery materials. Review of Scientific Instruments, 2014, 85, 126108.	0.6	8
76	Microscopic description of the evolution of the local structure and an evaluation of the chemical pressure concept in a solid solution. Physical Review B, 2014, 89, .	1.1	26
77	X-ray absorption spectroscopy elucidates the impact of structural disorder on electron mobility in amorphous zinc-tin-oxide thin films. Applied Physics Letters, 2014, 104, .	1.5	19
78	Structural and magnetic effects of mechanically grinding Co3(OH)2(C4O4)2Â·3H2O. Polyhedron, 2014, 79, 60-65.	1.0	3
79	Chemical and Electrochemical Lithiation of LiVOPO₄ Cathodes for Lithium-Ion Batteries. Chemistry of Materials, 2014, 26, 3849-3861.	3.2	63
80	Evidence for coreâ€“shell nanoclusters in oxygen dispersion strengthened steels measured using X-ray absorption spectroscopy. Journal of Nuclear Materials, 2014, 445, 50-56.	1.3	13
81	A Study of Unidirectionally Aligned Collagen-Silk Composite Fibers and the Application in hdpPSC Neural Differentiation. Microscopy and Microanalysis, 2014, 20, 1436-1437.	0.2	10
82	In Situ Ru K-Edge X-ray Absorption Spectroscopy Study of Methanol Oxidation Mechanisms on Model Submonolayer Ru on Pt Nanoparticle Electrocatalyst. Journal of Physical Chemistry C, 2013, 117, 18904-18912.	1.5	27
83	Temperature Dependence of Aliovalent-Vanadium Doping in LiFePO₄ Cathodes. Chemistry of Materials, 2013, 25, 768-781.	3.2	83
84	Structureâ€“propertyâ€“activity correlations of Pt-bimetallic nanoparticles: A theoretical study. Electrochimica Acta, 2013, 88, 604-613.	2.6	47
85	X-ray powder diffraction refinement of PbTi_(1â^’x)Fe_xO_(3â^’Î) solid solution series. Powder Diffraction, 2013, 28, 254-261.	0.4	11
86	Photoemission studies of fluorine functionalized porous graphitic carbon. Journal of Applied Physics, 2012, 111, .	1.1	62
87	Operando X-ray absorption and infrared fuel cell spectroscopy. Electrochimica Acta, 2011, 56, 8827-8832.	2.6	22
88	Local compositional environment of Er in ZnS:ErF3 thin film electroluminescent phosphors. Journal of Applied Physics, 2011, 109, 054505.	1.1	1
89	The New MRCAT (Sector 10) Bending Magnet Beamline at the Advanced Photon Source. AIP Conference Proceedings, 2010, , .	0.3	112
90	Electrodeposition Assisted X-ray Lithography: Single Step Approach. ECS Transactions, 2010, 33, 319-326.	0.3	0

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91	Embedded cluster Î”-XANES modeling of adsorption processes on Pt. Electrochimica Acta, 2009, 54, 7181-7185.	2.6	16
92	An X-ray absorption spectroscopy study of Mo oxidation in Pb at elevated temperatures. Journal of Nuclear Materials, 2009, 392, 259-263.	1.3	0
93	In situ XAFS studies of the oxygen reduction reaction on carbon supported Pt and PtNi(1:1) catalysts. Journal of Physics: Conference Series, 2009, 190, 012157.	0.3	11
94	XAFS studies on a modified Al-Si hypoeutectic alloy. Journal of Physics: Conference Series, 2009, 190, 012068.	0.3	0
95	Atom-probe Tomography, Small Angle Neutron Scattering, Transmission Electron Microscopy, Positron Annihilation Spectroscopy and X-ray Absorption Spectroscopy Characterization of Nano-scale Features in Nanostructured Ferritic Alloys. Microscopy and Microanalysis, 2009, 15, 244-245.	0.2	9
96	Synchrotron radiation-based x-ray analysis of bronze artifacts from an Iron Age site in the Judean Hills. Journal of Archaeological Science, 2008, 35, 1951-1960.	1.2	13
97	Niobium speciation at the metal/oxide interface of corroded niobium-doped Zircaloys: A X-ray absorption near-edge structure study. Corrosion Science, 2008, 50, 1313-1320.	3.0	35
98	Structural analysis of sonochemically prepared PtRu versus Johnson Matthey PtRu in operating direct methanol fuel cells. Physical Chemistry Chemical Physics, 2008, 10, 6430.	1.3	28
99	EXAFS Studies of Nanocrystals of Zn1â^'xMnxO: A Dilute Magnetic Semiconductor Oxide System. AIP Conference Proceedings, 2007, , .	0.3	4
100	Relationship between Self-Association of Glycine Molecules in Supersaturated Solutions and Solid State Outcome. Physical Review Letters, 2007, 99, 115702.	2.9	55
101	High concentration manganese doping of ferroelectric PbTiO3. Solid State Communications, 2007, 144, 46-49.	0.9	12
102	Pt and Ru X-ray Absorption Spectroscopy of PtRu Anode Catalysts in Operating Direct Methanol Fuel Cells. Journal of Physical Chemistry B, 2006, 110, 9932-9938.	1.2	54
103	Investigation of Size Effects in Magnetoelectric BiFeO3. Physica Scripta, 2005, , 709.	1.2	26
104	SAXS Study of the Nucleation of Glycine Crystals from a Supersaturated Solution. Crystal Growth and Design, 2005, 5, 523-527.	1.4	133
105	Effect of Mn concentration on the structural, optical, and magnetic properties of GaMnN. Applied Physics Letters, 2004, 84, 1314-1316.	1.5	52
106	A device for selecting and rejecting X-ray harmonics in synchrotron radiation beams. Journal of Synchrotron Radiation, 2004, 11, 393-398.	1.0	5
107	Detection of interfacial strain and phase separation in MBa2Cu3O7â^'x thin films using Raman spectroscopy and X-ray diffraction space mapping. Physica C: Superconductivity and Its Applications, 2004, 402, 1-16.	0.6	8
108	Effect of nucleation layer on the magnetic properties of GaMnN. Applied Physics Letters, 2004, 84, 2578-2580.	1.5	31

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109	XRD and XPS Analysis of As-Prepared and Conditioned DMFC Array Membrane Electrode Assemblies. Journal of the Electrochemical Society, 2004, 151, A1314.	1.3	28
110	Bent silicon crystal in the Laue geometry to resolve x-ray fluorescence for x-ray absorption spectroscopy. Review of Scientific Instruments, 2003, 74, 4696-4702.	0.6	28
111	In-Situ XANES of Carbon-Supported Ptâˆ'Ru Anode Electrocatalyst for Reformate-Air Polymer Electrolyte Fuel Cells. Journal of Physical Chemistry B, 2002, 106, 3458-3465.	1.2	97
112	The MRCAT insertion device beamline at the Advanced Photon Source. AIP Conference Proceedings, 2000, , .	0.3	93
113	Diffraction enhanced imaging applied to materials science and medicine. Synchrotron Radiation News, 1998, 11, 4-11.	0.2	17
114	Methanol Oxidation on Singleâ€Phase Ptâ€Ruâ€Os Ternary Alloys. Journal of the Electrochemical Society, 1997, 144, 1543-1548.	1.3	225
115	Comparison of conductometric humidity-sensing polymers. Sensors and Actuators B: Chemical, 1997, 40, 211-216.	4.0	45
116	Humidity sensing properties of Nation and sol-gel derived SiO2/Nafion composite thin films. Sensors and Actuators B: Chemical, 1997, 40, 217-222.	4.0	179
117	Electrical Transport Properties and Defect Structure of SrFeCo0.5â€‰Oâ€‰ x. Journal of the Electrochemical Society, 1996, 143, 1736-1744.	1.3	92
118	Determination of chemical diffusion coefficient of SrFeCo0.5Ox by the conductivity relaxation method. Solid State Ionics, 1996, 83, 65-71.	1.3	85
119	Electrical Properties and Defect Structure in The Sr-Fe-Co-O System. Materials Research Society Symposia Proceedings, 1995, 411, 163.	0.1	0
120	Electronic/Ionic Conductivity and Oxygen Diffusion Coefficient af the Sr-Fe-Co-O System. Materials Research Society Symposia Proceedings, 1995, 393, 49.	0.1	19
121	Chemical Insights Obtained by Modelling the Structure of High-Temperature Superconductors Using AX₃ Close-Packing and Transferable Single Atom Paramters. Materials Science Forum, 1993, 130-132, 493-522.	0.3	3
122	Structural inhomogeneities in oxygen-deficientErBa2Cu3O6+xassociated with the tetragonal-to-orthorhombic transition: Evidence of first-order behavior. Physical Review B, 1992, 45, 4923-4929.	1.1	55
123	Microstructure and transport properties of YBa2Cu3O7âˆ'Î´ films produced by laser ablation from a BaF2/Y2O3/CuO target. Physica C: Superconductivity and Its Applications, 1992, 190, 569-580.	0.6	3
124	High critical current density in grainâ€oriented bulk YBa2Cu3Oxprocessed by partial melt growth. Applied Physics Letters, 1990, 57, 2606-2608.	1.5	36
125	Origin of enhanced growth of the 110 K superconducting phase by Pb doping in the Biâ€Srâ€Caâ€Cuâ€O system. Applied Physics Letters, 1989, 55, 699-701.	1.5	71
126	Structural behavior and chemical order of Fe in YBa2(Cu1 âˆ' xFex)3O7 + Î´. Physica C: Superconductivity and Its Applications, 1989, 158, 397-405.	0.6	119

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127	Magnetic ordering of Gd and Cu in superconducting and nonsuperconductingGdBa2Cu3O7âˆ’Î´. Physical Review B, 1988, 37, 592-594.	1.1	76
128	Raman scattering from high-Tcsuperconductors. Physical Review B, 1988, 37, 5142-5147.	1.1	70
129	Is the isotope effect absent inYBa2Cu3O7âˆ’Î´?. Physical Review Letters, 1988, 60, 752-752.	2.9	16
130	Structure of the singleâ€phase highâ€temperature superconductor YBa2Cu3O7âˆ’Î´. Applied Physics Letters, 1987, 51, 57-59.	1.5	660
131	Phase diagram and superconductivity in the Yâ€Baâ€Cuâ€O system. Applied Physics Letters, 1987, 50, 1688-1690.	1.5	148
132	Incorporation of Pr in YBa2Cu3O7âˆ’Î´: electronic effects on superconductivity. Nature, 1987, 328, 604-605.	13.7	510
133	Magnetic properties of Er2Fe14B and Nd2Fe14B thin films. Journal of Applied Physics, 1987, 61, 4278-4280.	1.1	30
134	La2âˆ’xSrxCuO4 and YBa2Cu3O6.5: New high Tc superconducting oxides. Inorganica Chimica Acta, 1987, 140, 167-168.	1.2	12
135	Structural phase transition in YBa2Cu3O7âˆ’Î´: the role of dimensionality for high temperature superconductivity. Solid State Communications, 1987, 63, 385-388.	0.9	220
136	Electronic and magnetic properties of rare-earth ions in REBa2Cu3O7-x (RE=Dy, Ho, Er). Journal of Magnetism and Magnetic Materials, 1987, 68, L139-L144.	1.0	137
137	Structure and crystal chemistry of the high-Tc superconductor YBa2Cu3O7âˆ’x. Nature, 1987, 327, 310-312.	13.7	385
138	Oxygen ordering and superconductivity in La(Ba2âˆ’xLax)Cu3O7+Î´. Nature, 1987, 329, 227-229.	13.7	167
139	Specific heat and critical field for some iron-containing superconductors. Journal of Low Temperature Physics, 1985, 59, 237-245.	0.6	18
140	Chemical environment and Ce valence: Global trends in transition-metal compounds. Physical Review B, 1985, 32, 6928-6931.	1.1	65
141	Neutron-diffraction study of magnetically orderedEr2Fe3Si5. Physical Review B, 1984, 29, 271-277.	1.1	20
142	Ce valence variation in intermetallic alloys:LIIIabsorption spectroscopy results. Physical Review B, 1984, 30, 4164-4169.	1.1	51
143	Valence Instability inEu(Pd1âˆ’xAux)2Si2: The Global Phase Diagram. Physical Review Letters, 1982, 49, 1947-1950.	2.9	92
144	Susceptibility and MÃ¶ssbauer studies of magnetic rare earth-iron-silicides. Journal of Magnetism and Magnetic Materials, 1981, 25, 117-123.	1.0	49

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145	The superconductivity of Sc5T4Si10 (T = Co, Rh, Ir) and isomorphous compounds. Solid State Communications, 1980, 35, 735-738.	0.9	71
146	Pressure enhanced superconductive and magnetic interactions in the system (Er1â^'xHox)Rh4B4. Solid State Communications, 1980, 33, 843-846.	0.9	19
147	Bound-state wave packets. American Journal of Physics, 1976, 44, 729.	0.3	26