

# Rg Kulkarni

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Comparison of magnetic properties of MgFe <sub>2</sub> O <sub>4</sub> prepared by wet-chemical and ceramic methods. Journal of Solid State Chemistry, 1986, 64, 141-147.	2.9	64
2	Metal-insulator type transition in aluminium and chromium co-substituted nickel ferrites. Materials Letters, 1999, 39, 91-96.	2.6	61
3	Magnetic properties of the mixed spinel CoFe <sub>2-2x</sub> Cr <sub>x</sub> O <sub>4</sub> . Physica B: Condensed Matter, 1996, 217, 292-298.	2.7	39
4	The magnetic properties of the Mg <sub>1-x</sub> Zn ferrite system by Mössbauer spectroscopy. Solid State Communications, 1985, 53, 1005-1008.	1.9	37
5	Magnetic properties of Cu <sub>1-x</sub> Zn ferrite investigated by Mössbauer spectroscopy. Solid State Communications, 1979, 31, 551-555.	1.9	35
6	Magnetic properties of copper ferrite aluminates. Journal of Magnetism and Magnetic Materials, 1996, 159, 375-380.	2.3	29
7	Influence of hole filling and pair breaking by Pr and hole doping by Ca on superconductivity and flux pinning of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.83</sub> . Physica C: Superconductivity and Its Applications, 1991, 183, 154-162.	1.2	27
8	Mössbauer study of the spinel system Ti <sub>x</sub> Co <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> . Solid State Communications, 1986, 60, 67-69.	1.9	26
9	Magnetic ordering in Zn substituted Co <sub>1.4</sub> /Ge <sub>0.4</sub> /Fe <sub>1.2</sub> /O <sub>4</sub> spinel system. IEEE Transactions on Magnetics, 1992, 28, 1889-1894.	2.1	26
10	Mössbauer study of the spinel system GexCu <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> . Solid State Communications, 1984, 49, 169-172.	1.9	25
11	Mössbauer and magnetization study of the mixed spinel CoFe <sub>2-2x</sub> Cr <sub>x</sub> O <sub>4</sub> . Solid State Communications, 1992, 82, 907-910.	1.9	25
12	Ceramic processing, dopant-site occupancies and superconducting properties of YBa <sub>2</sub> (Cu <sub>1-x</sub> Fe <sub>x</sub> ) <sub>3</sub> O <sub>z</sub> . Physica C: Superconductivity and Its Applications, 1993, 217, 175-181.	1.2	23
13	Mössbauer study of the CaxCo <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> system. Journal of Magnetism and Magnetic Materials, 1986, 61, 109-113.	2.3	22
14	Influence of hole filling by Co and hole doping by Ca on the superconductivity of ErBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> . Solid State Communications, 1996, 98, 1095-1098.	1.9	21
15	Structural, magnetization and susceptibility studies on cobalt <sup>2+</sup> ferri-aluminates synthesized by wet-chemical method. Physica B: Condensed Matter, 2000, 291, 379-386.	2.7	20
16	Yafet-Kittel type of magnetic ordering in Mg-Cd ferrites. Materials Letters, 1985, 3, 273-277.	2.6	19
17	Study of the bulk magnetic properties of Co-Ca ferrite system. Materials Research Bulletin, 1986, 21, 1051-1055.	5.2	17
18	<sup>57</sup> Fe Mössbauer and magnetic studies on the spinel system Co <sub>1-x</sub> GexFe <sub>2</sub> O <sub>4</sub> . Solid State Communications, 1991, 78, 539-542.	1.9	15

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19	Magnetic properties of Zn-substituted Co-Ge-Fe-O ferrites near the dilution limit. Journal of Magnetism and Magnetic Materials, 1991, 99, 275-279.	2.3	15
20	Magnetic properties of the mixed spinel $\text{NiAl}_2\text{xCr}_x\text{Fe}_{2-3x}\text{O}_4$ . Physica B: Condensed Matter, 1999, 262, 5-12.	2.7	15
21	The magnetic properties of the Mg—,Cd ferrite system by Mössbauer spectroscopy. Materials Research Bulletin, 1984, 19, 655-661.	5.2	14
22	Spin glass behaviour of the spinel system $\text{GexCu}_{1-x}\text{Fe}_2\text{O}_4$ . Solid State Communications, 1985, 53, 1001-1003.	1.9	14
23	Influence of nickel substitution on flux pinning and critical currents in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . Cryogenics, 1991, 31, 833-838.	1.7	14
24	Superconductivity of the $\text{La}_{3.5-x}\text{RyCa}_2\text{Ba}_{3.5-x}\text{Cu}_7\text{O}_z$ system (R = Gd, Nd and Dy). Physica C: Superconductivity and Its Applications, 1997, 288, 57-63.	1.2	14
25	Superconductivity in the system $\text{YBa}_2\text{xCa}_x\text{Cu}_3\text{O}_{7-x}$ . Solid State Communications, 1989, 71, 839-841.	1.9	13
26	Mössbauer and magnetization study of cobalt ferrite aluminates. Solid State Communications, 1993, 86, 327-331.	1.9	12
27	Effect of Cu—,Co and coupled substitution upon superconductivity in $\text{ErBa}_2\text{Cu}_3\text{O}_{7-x}$ . Cryogenics, 1997, 37, 15-19.	1.7	11
28	Influence of hole-filling by La and hole-doping by Ca on the superconductivity of $\text{NdBa}_2\text{Cu}_3\text{O}_{7-x}$ . Physica C: Superconductivity and Its Applications, 1999, 320, 87-95.	1.2	11
29	Mossbauer study of the Cu-Cd ferrite system. Solid State Communications, 1982, 43, 647-650.	1.9	10
30	Magnetic ordering in a Zn substituted $\text{Co}_{1-x}\text{Ti}_x\text{Fe}_{1-x}\text{O}$ ferrite system. Physica B: Condensed Matter, 1993, 190, 183-189.	2.7	10
31	Enhanced flux pinning and critical currents by Hf and Hf-Ca substitution in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . Cryogenics, 1995, 35, 61-65.	1.7	10
32	Influence of molybdenum - substitution on superconductivity of yttrium barium cuprate. Materials Research Bulletin, 1994, 29, 89-95.	5.2	9
33	Effect of Hf and Hf—,Ca substitution on the superconductivity of $\text{ErBa}_2\text{Cu}_3\text{O}_{7-x}$ . Physica C: Superconductivity and Its Applications, 1996, 261, 90-96.	1.2	9
34	Magnetic properties of the mixed spinel $\text{NiAl}_x\text{Cr}_x\text{Fe}_{2-2x}\text{O}_4$ . , 1998, 116, 197-207.		9
35	Structural studies of the superconducting $\text{La}_{3.5-x}\text{YyCa}_2\text{Ba}_{3.5-x}\text{Cu}_7\text{O}_z$ system. Physica C: Superconductivity and Its Applications, 1999, 319, 181-188.	1.2	9
36	Local canted spin behaviour in $\text{Co}_{1.4-x}\text{Zn}_x\text{Ge}_{0.4}\text{Fe}_{1.2}\text{O}_4$ spinels: A macroscopic, mesoscopic and microscopic study. Pramana - Journal of Physics, 1999, 53, 341-351.	1.8	9

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37	Magnetic properties of the mixed spinel $Mg_{1+x}Mn_xFe_{2-2x}O_4$ , 1997, 110, 227-237.		8
38	Effect of hole filling by Co and hole doping by Ca on the superconductivity of $GdBa_2Cu_3O_{7-\delta}$ . Solid State Sciences, 2001, 3, 59-66.	0.7	8
39	Low-temperature Mössbauer study of the $Mg_{1-x}Cd_x$ ferrite system. Solid State Communications, 1983, 48, 691-695.	1.9	7
40	Suppression of superconductivity in $Er_{1-x}Ca_xBa_2Cu_3O_y$ by hole doping and pair breaking. Solid State Communications, 1993, 88, 629-632.	1.9	7
41	Effect of Sr-substitution on the restitution of superconductivity in Pr-substituted at rare earth and Ba-site in $EuBa_2Cu_3O_z$ . Physica C: Superconductivity and Its Applications, 2001, 355, 23-30.	1.2	7
42	Novel magnetic behaviour of the system $Zn_xCa_{1-x}Fe_2O_4$ . Solid State Communications, 1986, 57, 665-667.	1.9	6
43	Magnetic properties of the mixed spinel $Co_{1+x}Sn_xFe_{2-2x}O_4$ , 2000, 128, 511-521.		6
44	Superconductivity up to 200 K in the $Ca_{0.5}Zn_{0.5}Fe_2O_4$ system without rare earth. Solid State Communications, 1988, 68, 101-102.	1.9	5
45	Flux pinning and critical currents by Mo-substitution in $YBa_2Cu_3O_{7-\delta}$ . Applied Superconductivity, 1995, 3, 357-363.	0.5	5
46	Effect of Mo and Mo-Ca substitution on the superconductivity of $GaBa_2Cu_3O_{7-\delta}$ . Physica C: Superconductivity and Its Applications, 1997, 291, 25-33.	1.2	5
47	Superconducting properties of the Fe-substituted $La_{2.5}Y_{0.5}CaBa_3(Cu_{1-x}Fe_x)_7O_z$ perovskite. Physica C: Superconductivity and Its Applications, 1999, 313, 41-48.	1.2	5
48	High-temperature Mössbauer study of the Cu-Cd ferrite system. Materials Letters, 1986, 4, 168-170.	2.6	4
49	New high-Tc 2-2-3 type superconductor $Y_2Ba_{1.5}Ca_{0.5}Cu_3O_{8+\delta}$ . Solid State Communications, 1990, 73, 511-513.	1.9	3
50	Giant flux pinning and critical current density in a new high-Tc superconductor $Y_2Ba_2Cu_4O_{9-\delta}$ . Solid State Communications, 1990, 76, 159-162.	1.9	3
51	Enhanced flux pinning by Zn substitution in $GdBa_2Cu_3O_{7-\delta}$ . Cryogenics, 1992, 32, 770-774.	1.7	3
52	Effect of Pr and Ca substitution on superconductivity in $Y(1-x-y)Pr_xCa_yBa_2Cu_3O_{7-\delta}$ . Solid State Communications, 1994, 90, 821-824.	1.9	3
53	Effect of Mo and Mo-Ca substitution on the superconductivity of $GdBa_2Cu_3O_{7-\delta}$ . Applied Superconductivity, 1998, 6, 471-481.	0.5	3
54	Correlation between hole concentration and Tc in $(La_{2-x}Y_x)Ba_2(Ca_yCu_{4+y})O_z$ superconductors. Physica B: Condensed Matter, 1999, 259-261, 538-539.	2.7	3

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55	ac Conductivity of mixed spinel NiAl <sub>0.7</sub> Cr <sub>0.7</sub> Fe <sub>0.6</sub> O <sub>4</sub> . Pramana - Journal of Physics, 2002, 58, 787-789.	1.8	3
56	Effect of Mo-substitution on superconductivity, flux pinning and critical currents of La <sub>1.5</sub> Nd <sub>0.5</sub> Ca <sub>1</sub> Ba <sub>2</sub> Cu <sub>5</sub> O <sub>z</sub> . Physica C: Superconductivity and Its Applications, 2003, 391, 237-244.	1.2	3
57	Mössbauer study of the FeCl <sub>3</sub> L <sub>3</sub> type complex. Solid State Communications, 1977, 24, 133-134.	1.9	2
58	Spin-glass behaviour in CdFe <sub>1-x</sub> Sbx system. Solid State Communications, 1990, 74, 1213-1216.	1.9	1
59	Critical currents and flux in vanadium doped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> system. Applied Superconductivity, 1993, 1, 1227-1229.	0.5	1
60	Effect of Hf and Hf-Ca substitution on the superconductivity of GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . Applied Superconductivity, 1996, 4, 327-335.	0.5	1
61	Magnetic properties of spinel system: Zn <sub>2</sub> Ti <sub>2</sub> CoCr <sub>2</sub> Fe <sub>2</sub> zO <sub>4</sub> . Journal of Alloys and Compounds, 2001, 326, 117-120.	5.5	1
62	Magnetic properties of YBa <sub>1.5</sub> Ca <sub>0.5</sub> Cu <sub>3</sub> O <sub>7-x</sub> superconductor. Solid State Communications, 1989, 72, 1203-1205.	1.9	0
63	Cluster spin-glass like behaviour in CdFe <sub>1-x</sub> Sbx system. Solid State Communications, 1990, 75, 1001-1004.	1.9	0
64	Superconductivity in (La <sub>2-x</sub> Y <sub>x</sub> )Ba <sub>2</sub> (Ca <sub>y</sub> Cu <sub>4+y</sub> )O <sub>z</sub> system. Materials Letters, 1998, 37, 68-71.	2.6	0
65	Dopant-site occupancies and superconducting properties of the Fe-substituted La <sub>2.5</sub> Nd <sub>0.5</sub> CaBa <sub>3</sub> (Cu <sub>1-x</sub> Fe <sub>x</sub> ) <sub>7</sub> O <sub>z</sub> perovskite. Physica C: Superconductivity and Its Applications, 2000, 340, 317-322.	1.2	0
66	Temperature hysteretic effect and its influence on colossal magnetoresistance of La <sub>0.33</sub> Nd <sub>0.33</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> . Pramana - Journal of Physics, 2002, 58, 1041-1044.	1.8	0
67	Depression of superconducting transition temperature due to Pr in the (La <sub>2.5-x</sub> Pr <sub>x</sub> Nd <sub>0.5</sub> )CaBa <sub>3</sub> Cu <sub>7</sub> O <sub>z</sub> system. Physica B: Condensed Matter, 2002, 312-313, 56-58.	2.7	0