

# Gloria SubÃ- as

## List of Publications by Year in descending order

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136  
papers

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172457

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g-index

138  
all docs

138  
docs citations

138  
times ranked

3425  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Verwey transition – a new perspective. Journal of Physics Condensed Matter, 2004, 16, R145-R178.	1.8	259
2	X-ray-absorption near-edge spectroscopy and circular magnetic x-ray dichroism at the Mn K edge of magnetoresistive manganites. Physical Review B, 1997, 56, 8183-8191.	3.2	172
3	Local electronic and geometrical structure of $\text{LaNi}_{1-x}\text{Mn}_x\text{O}_3$ perovskites determined by x-ray-absorption spectroscopy. Physical Review B, 2002, 65, .	3.2	137
4	Resonant –Forbidden– Reflections in Magnetite. Physical Review Letters, 2000, 85, 578-581.	7.8	112
5	Absence of charge ordering below the Verwey transition temperature in magnetite. Physical Review B, 2001, 63, .	3.2	101
6	Cooperative Jahn-Teller Phase Transition in $\text{LaMnO}_3$ Studied by X-Ray Absorption Spectroscopy. Physical Review Letters, 2003, 90, 045503.	7.8	97
7	Structural origin of dipole x-ray resonant scattering in the low-temperature phase of $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ . Physical Review B, 2004, 70, .	3.2	92
8	Charge disproportionation in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . Physical Review B, 2004, 70, .	3.2	83
9	Magnetite, a Model System for Mixed-Valence Oxides, Does Not Show Charge Ordering. Physical Review Letters, 2004, 93, 156408.	7.8	80
10	Neutron diffraction study and magnetic properties of $\text{LaMn}_{1-x}\text{Ga}_x\text{O}_3$ . Physical Review B, 2002, 66, .	3.2	75
11	Iridium Oxohydroxide, a Significant Member in the Family of Iridium Oxides. Stoichiometry, Characterization, and Implications in Bioelectrodes. Journal of Physical Chemistry C, 2012, 116, 5155-5168.	3.1	73
12	Structural transformation in magnetite below the Verwey transition. Physical Review B, 2011, 83, .	3.2	70
13	High resolution x-ray absorption near edge structure at the Mn K edge of manganites. Journal of Physics Condensed Matter, 2001, 13, 3229-3241.	1.8	64
14	EXAFS spectroscopic analysis of the Verwey transition in $\text{Fe}_3\text{O}_4$ . Physical Review B, 2005, 71, .	3.2	62
15	Analysis of the x-ray resonant scattering at the Mn K edge in half-doped mixed valence manganites. Journal of Physics Condensed Matter, 2001, 13, 3243-3256.	1.8	56
16	Intrinsic electrical properties of $\text{LuFe}_2\text{O}_6$ . Physical Review B, 2013, 88, .	3.2	54
17	Magnetic order and magnetoelectric properties of $\text{Ca}_{0.5}\text{CoO}$ . Physical Review B, 2013, 88, .	3.2	53
18	Magnetic order and magnetoelectric properties of $\text{R}_{2-x}\text{O}_6$ perovskites ( $\text{R} = \text{La, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu}$ ). Physical Review B, 2013, 88, .	3.2	52

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19	Electronic Structure of Ag <sub>2</sub> Cu <sub>2</sub> O <sub>4</sub> . Evidence of Oxidized Silver and Copper and Internal Charge Delocalization. Journal of Physical Chemistry B, 2005, 109, 6193-6203.	2.6	48
20	Magnetolectric and structural properties of $Y\text{CoMn}_2\text{O}_6$ : The role of antisite defects. Physical Review B, 2016, 93, .	3.2	45
21	Local structure at the manganese site in mixed-valence manganites. Physical Review B, 1998, 57, 748-754. Spin-state transition in Pr	3.2	44
22	$\text{CaCoO}_{0.5}$ Origin of the pre-peak features in the oxygen K-edge x-ray absorption spectra of LaFeO <sub>3</sub> and LaMnO <sub>3</sub> studied by Ga substitution of the transition metal ion. Journal of Physics Condensed Matter, 2011, 23, 325601.	3.2	44
23	Effect of cation vacancies in the local structure and transport properties of LaMnO <sub>3</sub> + $\tilde{\Gamma}$ :A MnK-edge x-ray-absorption study. Physical Review B, 1998, 58, 9287-9293.	1.8	39
24	Magnetic properties of LaNi <sub>1-x</sub> Mn <sub>x</sub> O <sub>3+<math>\tilde{\Gamma}</math></sub> perovskites. European Physical Journal B, 2002, 30, 469-479.	3.2	33
25	Evidence for charge-density-wave nature of the charge-ordered phase in $\text{LaCaMn}_2\text{O}_7$ . Physical Review B, 2009, 79, .	1.5	32
26	On the correlation between the X-ray absorption chemical shift and the formal valence state in mixed-valence manganites. Journal of Synchrotron Radiation, 2010, 17, 386-392.	3.2	31
27	Structure and magnetic properties of LaMn <sub>1-x</sub> Mg <sub>x</sub> O <sub>3</sub> compounds. Physical Review B, 2004, 70, .	2.4	31
28	Enhancement of ferromagnetic correlations on multiferroic TbMnO <sub>3</sub> by replacing Mn with Co. Journal of Physics Condensed Matter, 2012, 24, 455601.	3.2	30
29	Stability of the tetragonal Mn <sup>3+</sup> O <sub>6</sub> distortions in the LaMn <sub>1-x</sub> Ga <sub>x</sub> O <sub>3</sub> series by x-ray absorption spectroscopy. Physical Review B, 2004, 69, .	1.8	30
30	Ag <sub>2</sub> CuMnO <sub>4</sub> : A new silver copper oxide with delafossite structure. Journal of Solid State Chemistry, 2006, 179, 3883-3892.	3.2	29
31	Reexamination of the Temperature Dependences of Resonant Reflections in Highly Stoichiometric Magnetite. Physical Review Letters, 2009, 102, 176405.	2.9	29
32	$\tilde{\Gamma}$ -(Z) Selectivity Control by Cyclometalated Rhodium(III) $\hat{\text{A}}$ Triazolylidene Homogeneous and Heterogeneous Terminal Alkyne Hydrosilylation Catalysts. ACS Catalysis, 2020, 10, 13334-13351. Investigation of pressure-induced magnetic transitions in $\text{CoFe}_3\text{O}_4$	7.8	29
33	$\text{CoFe}_3\text{O}_4$ Evidence of large magneto-dielectric effect coupled to a metamagnetic transition in Yb <sub>2</sub> CoMnO <sub>6</sub> . Applied Physics Letters, 2015, 107, .	3.2	27
34	X-ray absorption and emission spectroscopy study of Mn and Co valence and spin states in TbMn <sub>1-x</sub> Co <sub>x</sub> O <sub>3</sub> . Physical Review B, 2016, 94, .	3.3	27
35		3.2	27

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37	Hybrid Catalysts Comprised of Graphene Modified with Rhodium-Based N-Heterocyclic Carbenes for Alkyne Hydrosilylation. ACS Applied Nano Materials, 2020, 3, 1640-1655.	5.0	27
38	Polarized x-ray absorption spectra of $\text{La}^{1-x}\text{Sr}^x\text{MnO}_4$ : Electronic state of Mn atoms. Physical Review B, 2005, 72, .	3.2	25
39	Checkerboard-ordered pattern of $\text{Bi}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ low-temperature phase probed by x-ray resonant scattering. Physical Review B, 2006, 73, .	3.2	25
40	Effect of structural differences of carbon nanotubes and graphene based iridium-NHC materials on the hydrogen transfer catalytic activity. Carbon, 2016, 96, 66-74.	10.3	25
41	XAS study of the reversible reactivity mechanism of micro- and nanostructured electrodeposited $\text{Cu}_2\text{O}$ thin films towards lithium. Journal of Materials Chemistry, 2011, 21, 5368.	6.7	24
42	Structural changes at the semiconductor-insulator phase transition in the single-layered perovskite $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$ . Physical Review B, 2009, 79, .	3.2	24
43	edge X-ray emission and absorption spectroscopy study of the electronic and local structure of the three different phases in $\text{LaMnO}_3$ . Physical Review B, 2009, 79, .	3.2	24
44	Local structure study of Co-doped indium oxide and indium-tin oxide thin films using x-ray absorption spectroscopy. Physical Review B, 2009, 79, .	3.2	23
45	Oxynitrides as Electrode Materials for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2005, 152, A2246.	2.9	21
46	Origin of the resonant x-ray scattering in $\text{LaMnO}_3$ . Physical Review B, 2007, 75, .	3.2	21
47	Mn local structure effects in charge-ordered mixed-valence $\text{RE}_{1-x}\text{Ca}_x\text{MnO}_3$ (RE: La, Tb) perovskites: a review of the experimental situation. Journal of Physics Condensed Matter, 2002, 14, 5017-5033.	1.8	20
48	X-ray resonant scattering of $(004n+2)$ forbidden reflections in spinel ferrites. Physical Review B, 2004, 70, .	3.2	20
49	Structural effects of Sc doping on the multiferroic $\text{TbMnO}_3$ . Physical Review B, 2010, 81, .	3.2	20
50	Structural distortion, charge modulation and local anisotropies in magnetite below the Verwey transition using resonant X-ray scattering. Journal of Synchrotron Radiation, 2012, 19, 159-173.	2.4	20
51	Structural effects of Sc doping on the multiferroic properties of $\text{TbMnO}_3$ compounds ( $\text{R}=\text{La, Tb}$ ). Physical Review B, 2010, 81, .	3.2	20
52	Lack of Jahn-Teller distortion in highly diluted $\text{La}_{1-x}\text{Gd}_x\text{O}_3$ ( $x > 0.6$ ). Physical Review B, 2006, 73, .	3.2	19
53	Effects of Al substitution on the multiferroic properties of $\text{TbMnO}_3$ . Physical Review B, 2012, 86, .	3.2	19
54	SOFT X-RAY ABSORPTION SPECTROSCOPY (Mn L <sub>2,3</sub> AND O K) IN MIXED VALENCE MANGANITES. Surface Review and Letters, 2002, 09, 1071-1078.	1.1	18

#	ARTICLE	IF	CITATIONS
55	Double stripe ordering in Nd <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> determined by resonant soft x-ray scattering. Physical Review B, 2006, 73, .	3.2	18
56	X-ray absorption spectroscopic study on A <sub>2</sub> FeReO <sub>6</sub> double perovskites. Journal of Physics Condensed Matter, 2005, 17, 4963-4976.	1.8	16
57	Structural study of $R_2Fe_2O_7$ in hexagonal ferrites $R_2Fe_2O_7$ $R_2Fe_2O_7$		

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73	<a href="#">Incommensurate Sinusoidal Oxygen Modulations in Layered Manganites</a> $\text{La}_{1-x}\text{Sr}_x$		

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91	Comment on "Charge order in Fe <sub>2</sub> OBO <sub>3</sub> : An LSDA+U study". Physical Review B, 2006, 74, .	3.2	6
92	The atypical iron-coordination geometry of cytochrome f remains unchanged upon binding to plastocyanin, as inferred by XAS. Photosynthesis Research, 2007, 90, 23-28.	2.9	6
93	Effects of substituting Mn with Ga in the multiferroic properties of TbMnO <sub>3</sub> . Journal of Physics: Conference Series, 2010, 200, 012024.	0.4	6
94	Modulation of copper site properties by remote residues determines the stability of plastocyanins. FEBS Letters, 2010, 584, 2346-2350.	2.8	6
95	Determination of the charge-ordered phases in LuFe <sub>2</sub> O <sub>4</sub> . Europhysics Letters, 2014, 107, 47002.	2.0	6
96	Resonant x-ray scattering study of charge superstructures in layered La <sub>2-x</sub> CaxCoO <sub>4</sub> ± $\frac{1}{2}$ (0.4% $\leq$ x% $\leq$ 0.7) and La <sub>1.5</sub> Sr <sub>0.5</sub> CoO <sub>4</sub> compounds. Physical Review B, 2018, 97, .	3.2	6
97	Determination of the Crystal Structures in the A-Site-Ordered YBaMn <sub>2</sub> O <sub>6</sub> Perovskite. Journal of Physical Chemistry C, 2021, 125, 19467-19480.	3.1	6
98	Local structure and oxidation state of Mn and Ni atoms in LaNi <sub>1-x</sub> MnxO <sub>3</sub> + $\frac{1}{2}$ perovskites. Journal of Synchrotron Radiation, 2001, 8, 901-903.	2.4	5
99	Magnetic properties and structure of LaNi <sub>3/4</sub> Mn <sub>1/4</sub> O <sub>3</sub> . Journal of Physics Condensed Matter, 2001, 13, L729-L736.	1.8	5
100	LACK OF ATOMIC CHARGE LOCALIZATION IN TRANSITION METAL MIXED VALENCE OXIDES. Surface Review and Letters, 2002, 09, 821-830.	1.1	5
101	Symmetry mode analysis of distorted polar/nonpolar structures in $A_{1-x}Sm_xB_{1-x}Mn_xO_{6\pm\frac{1}{2}}$ perovskite. Physical Review B, 2021, 103, .	3.2	5
102	Diffraction anomalous fine structure of forbidden Bragg reflections: charge localization and structure of the octahedral site in magnetite. Journal of Synchrotron Radiation, 2001, 8, 390-392.	2.4	4
103	Jahn-Teller Dynamic Distortions in LaMnO <sub>3</sub> Determined by EXAFS. Physica Scripta, 2005, , 594.	2.5	4
104	Site-specific magnetization reversal studies of magnetite. Physical Review B, 2006, 73, .	3.2	4
105	Mn K-Edge XMCD Study of the Mixed-Valence State of Mn-Based Molecular Nanomagnets. AIP Conference Proceedings, 2007, , .	0.4	4
106	Structural properties of Pb <sub>2</sub> MnW <sub>1-x</sub> Re <sub>x</sub> O <sub>6</sub> double perovskites. Journal of Physics Condensed Matter, 2012, 24, 075403.	1.8	4
107	Mn K edge resonant X-ray scattering of half-doped manganites. European Physical Journal: Special Topics, 2012, 208, 107-119.	2.6	4
108	Dependence of the Jahn-Teller distortion in LaMn <sub>1-x</sub> Sc <sub>x</sub> O <sub>3</sub> on the isovalent Mn-site substitution. Journal of Physics: Conference Series, 2016, 712, 012119.	0.4	4

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109	Relation among Oxygen Stoichiometry, Structure, and Co Valence and Spin State in Single-Layer $\text{La}_{1-x}\text{A}_x\text{CoO}_{4\pm\delta}$ (A = Ca, Sr) Perovskites. <i>Inorganic Chemistry</i> , 2020, 59, 15757-15771.	4.0	4
110	Identifying the presence of magnetite in an ensemble of iron-oxide nanoparticles: a comparative neutron diffraction study between bulk and nanoscale. <i>Nanoscale Advances</i> , 2021, 3, 3491-3496.	4.6	4
111	MnK-edge XANES spectra of manganites measured by $\text{K}\alpha$ emission. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 892-894.	2.4	3
112	XAS Study of $\text{LaMn}_{1-x}\text{GaxO}_3$ Series. <i>Physica Scripta</i> , 2005, , 641.	2.5	3
113	Structural, electrical and magnetic properties of $\text{RE}_{1/3}\text{Sr}_{2/3}\text{FeO}_3$ compounds (RE = La, Pr, Nd, Eu and Gd). <i>Journal of Physics: Conference Series</i> , 2010, 200, 012015.	0.4	3
114	Local structure around Mn atom in the $\text{LaMnO}_3 + \text{Ir}$ system. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 196-197, 534-535.	2.3	2
115	XAS Study of $\text{A}_2\text{FeMoO}_6$ Double Perovskite. <i>Physica Scripta</i> , 2005, , 471.	2.5	2
116	Ground state and the metal-insulator transition in $(\text{Pr}_{1-y}\text{Y}_y)_{1-x}\text{Ca}_x\text{CoO}_3$ (0.45 $\leq x \leq$ 0.55) cobaltites. <i>Journal of the Korean Physical Society</i> , 2013, 63, 791-794.	0.7	2
117	Has charge ordering actually been observed in manganites by resonant X-ray scattering?. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 895-897.	2.4	1
118	XRay Resonant Scattering in $\text{Fe}_3\text{O}_4$ , $\text{MnFe}_2\text{O}_4$ and $\text{CoFe}_2\text{O}_4$ Ferrites. <i>Physica Scripta</i> , 2005, , 603.	2.5	1
119	Soft resonant x-ray scattering in highly stoichiometric magnetite. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012088.	0.4	1
120	Comment on "Direct Observation of Charge Ordering in Magnetite Using Resonant Multiwave X-Ray Diffraction". <i>Physical Review Letters</i> , 2012, 109, 049701.	7.8	1
121	Origin of incommensurate satellite reflections on $\text{TbMnO}_3$ by resonant x-ray scattering. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012101.	0.4	1
122	Evolution of Mn and Co oxidation state on $\text{TbMn}_x\text{Co}_{1-x}\text{O}_3$ compounds. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012102.	0.4	1
123	Determination of incommensurate lattice modulations in $\text{La}_{0.4}\text{Sr}_{1.6}\text{MnO}_4$ by resonant r-ray scattering. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012107.	0.4	1
124	Resonant x-ray scattering in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_4$ ( $x \leq 0.5$ ): Incommensurate-lattice modulation vs. Charge-stripe models. <i>Journal of Physics: Conference Series</i> , 2014, 519, 012008.	0.4	1
125	Hard and soft x-rays XAS characterization of charge ordered $\text{LuFe}_2\text{O}_4$ . <i>Journal of Physics: Conference Series</i> , 2015, 592, 012121.	0.4	1
126	Local structure of Iridium organometallic catalysts covalently bonded to carbon nanotubes.. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012052.	0.4	1



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127	Magnetic order and magnetic properties of the oxygen deficient SmBaMn <sub>2</sub> O <sub>5</sub> layered perovskite. Materials Research Bulletin, 2022, 150, 111780.	5.2	1
128	Charge ordering and forbidden reflections in magnetite. AIP Conference Proceedings, 2000, , .	0.4	0
129	Geometric local structure at the Mn site in charge-ordered mixed valence manganites. Journal of Synchrotron Radiation, 2001, 8, 904-906.	2.4	0
130	Electronic Structure of Ag <sub>2</sub> Cu <sub>2</sub> O <sub>4</sub> . Evidence of Oxidized Silver and Copper and Internal Charge Delocalization. ChemInform, 2005, 36, no.	0.0	0
131	Publisher's Note: Site-specific magnetization reversal studies of magnetite [Phys. Rev. B73, 144416 (2006)]. Physical Review B, 2006, 73, .	3.2	0
132	Local Structural Distortions Inducing Resonant Forbidden Reflections in LaMnO <sub>3</sub> . AIP Conference Proceedings, 2007, , .	0.4	0
133	The Checkerboard Pattern of the Charge-Ordered Phases in Bi <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (x=0.5) Studied by Resonant X-Ray Scattering at the Mn K Edge. AIP Conference Proceedings, 2007, , .	0.4	0
134	Charge and orbital ordering in Fe and Mn perovskite oxides far from half- doping by resonant x- ray scattering. Journal of Physics: Conference Series, 2009, 190, 012086.	0.4	0
135	Resonant x-ray scattering at the forbidden reflections in Mn <sup>3+</sup> -perovskites RE <sub>2</sub> MnO <sub>7</sub> (RE:La and Tb). Journal of Physics: Conference Series, 2009, 190, 012087.	0.4	0
136	Magnetic ordering in La <sub>1-x</sub> Mn <sub>4</sub> O <sub>7</sub> revealed by resonant magnetic x-ray scattering and neutron diffraction. Physical Review B, 2021, 103, .	3.2	0