

# Anthony Arulraj

## List of Publications by Year in descending order

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17  
papers

1,139  
citations

687363

13  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1036  
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge ordering in the rare earth manganates: the experimental situation. <i>Journal of Physics Condensed Matter</i> , 2000, 12, R83-R106.	1.8	227
2	Electrical transport, magnetism, and magnetoresistance in ferromagnetic oxides with mixed exchange interactions: A study of the $\text{La}_{0.7}\text{Ca}_{0.3}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ system. <i>Physical Review B</i> , 1997, 56, 1345-1353.	3.2	222
3	Charge-Ordering in Manganates. <i>Chemistry of Materials</i> , 1998, 10, 2714-2722.	6.7	142
4	Insulator-Metal Transitions, Giant Magnetoresistance, and Related Aspects of the Cation-Deficient $\text{LaMnO}_3$ Compositions $\text{La}_{1-x}\text{MnO}_3$ and $\text{LaMn}_{1-x}\text{O}_3$ . <i>Journal of Solid State Chemistry</i> , 1996, 127, 87-91.	2.9	97
5	Charge ordering in the rare-earth manganates: the origin of the extraordinary sensitivity to the average radius of the A-site cations. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 8497-8504.	1.8	93
6	An Infrared Spectroscopic Study of the Insulator-Metal Transition and Charge-Ordering in Rare Earth Manganates, $\text{Ln}_{1-x}\text{A}_x\text{MnO}_3$ (Ln=Rare Earth, A=Ca, Sr, Pb). <i>Journal of Solid State Chemistry</i> , 1999, 145, 557-563.	2.9	48
7	Reentrant transition from an incipient charge-ordered state to a ferromagnetic metallic state in a rare-earth manganate. <i>Physical Review B</i> , 1998, 57, R8115-R8118.	3.2	45
8	Effect of Cation Size and Disorder on the Structure and Properties of the Rare Earth Cobaltates, $\text{Ln}_{0.5}\text{A}_{0.5}\text{CoO}_3$ (Ln = Rare Earth, A = Sr, Ba). <i>Chemistry of Materials</i> , 2000, 12, 1666-1670.	6.7	44
9	The nature of the charge-ordered state in with a very small average radius of the A-site cations. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 4447-4456.	1.8	40
10	Effect of substituting $\text{Ru}^{4+}$ and other tetravalent ions in the B-site of rare earth manganates on the magneto-transport properties and charge-ordering. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 1999, 2, 595-601.	0.1	23
11	Giant magnetoresistance, charge-ordering and related aspects of manganase oxides. <i>Current Opinion in Solid State and Materials Science</i> , 1998, 3, 23-31.	11.5	21
12	Shear Strain in $\text{Nd}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ at High Pressures. <i>Physical Review Letters</i> , 2005, 94, 165504.	7.8	18
13	Synthesis and investigation of electrochemical performance of mixed valent $\text{Li}_4\text{FeMoO}_6$ as positive electrode material in rechargeable lithium ion batteries. <i>Journal of Power Sources</i> , 2019, 436, 226870.	7.8	13
14	Strain effects in perovskite manganites. <i>Progress in Solid State Chemistry</i> , 2007, 35, 367-377.	7.2	11
15	Collapse of the charge ordering gap of $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ in an applied magnetic field. <i>Journal of Physics Condensed Matter</i> , 2000, 12, L101-L107.	1.8	10
16	Charge ordering in electron-doped manganates. <i>Journal of Physics Condensed Matter</i> , 1999, 11, L27-L33.	1.8	7
17	Proliferation of Atomic Shuffling through Mechanical Stress on Cationic Disorder $\text{Li}_4\text{FeMoO}_6$ as a Cathode Material for a Lithium-Ion Battery. <i>ACS Applied Energy Materials</i> , 2020, 3, 8716-8724.	5.1	6