## Ravinder Kumar Kotnala

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4906179/publications.pdf

Version: 2024-02-01

23 papers 880 citations

15 h-index 677142 22 g-index

23 all docs

23 docs citations

23 times ranked 734 citing authors

#	Article	IF	CITATIONS
1	Significant role of defectâ€induced surface energy in water splitting to generate electricity by nickel ferrite hydroelectric cell. International Journal of Energy Research, 2022, 46, 6421-6435.	4.5	7
2	Enhanced Water Splitting by Strained Lithium-Substituted Nickel Ferrite Hydroelectric Cells. ACS Applied Energy Materials, 2022, 5, 8178-8188.	5.1	9
3	Defect-mediated ionic hopping and green electricity generation in Al2â^'xMgxO3-based hydroelectric cell. Journal of Materials Science, 2021, 56, 1600-1611.	3.7	23
4	Production of green electricity from strained BaTiO3 and TiO2 ceramics based hydroelectric cells. Materials Chemistry and Physics, 2021, 262, 124277.	4.0	11
5	Nonphotocatalytic Water Splitting Process to Generate Green Electricity in Alkali Doped Zinc Oxide Based Hydroelectric Cell. Energy & Samp; Fuels, 2021, 35, 9714-9726.	5.1	19
6	Novel application of multiferroic compound for green electricity generation fabricated as hydroelectric cell. Materials Chemistry and Physics, 2020, 239, 122068.	4.0	33
7	Thermal annealing induced strong photoluminescence enhancement in Ag-TiO2 plasmonic nanocomposite thin films. Journal of Alloys and Compounds, 2019, 786, 750-757.	5 <b>.</b> 5	20
8	Significance of interface barrier at electrode of hematite hydroelectric cell for generating ecopower by water splitting. International Journal of Energy Research, 2019, 43, 4743-4755.	4.5	193
9	Highly efficient low cost EMI shielding by barium ferrite encapsulated polythiophene nanocomposite. Journal of Alloys and Compounds, 2019, 779, 487-496.	5 <b>.</b> 5	66
10	Temperature Dependent Electric Properties and Magnetoelectric Effects in Ferroelectric rich Ni0.8Mg0.2Fe2O4Â+ BaZr0.2Ti0.8O3 Magnetoelectric Composites. Journal of Alloys and Compounds, 2019, 777, 1258-1264.	<b>5.</b> 5	10
11	Surprisingly high magneto-electric coupling in cubic Co0.7Fe2.3O4-SrTiO3 nano-composites. Journal of Alloys and Compounds, 2019, 773, 564-570.	5.5	34
12	Crystal structure refinement, dielectric and magnetic properties of A-site and B-site co-substituted Bi0.90Nd0.10Fe1-xTixO3 (x=0.00, 0.02, 0.05 & 0.07) ceramics. Journal of Alloys and Compounds, 2018, 750, 848-856.	5.5	15
13	xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"> <mml:mn>0.9</mml:mn> <mml:mfenced><mml:mrow><mml:mi>KNb</mml:mi><mml:msub></mml:msub></mml:mrow><mml:mced><mml:mcw></mml:mcw></mml:mced></mml:mfenced> <mml:mced><mml:mced><mml:mced><mml:mced><mml:mced><mml:mced><mml:mced><mml:mced><mml:mced></mml:mced></mml:mced></mml:mced></mml:mced></mml:mced></mml:mced></mml:mced></mml:mced></mml:mced> <	o>aaa/mm	nl:4no> <mml: <mml:mi< td=""></mml:mi<></mml: 
14	mathva. Journal of Alloys and Compounds, 2018, 753, 642-645.  2.8 Magnetic Materials., 2018, , 204-234.		11
15	Magneto-electric coupling and improved dielectric constant of BaTiO3 and Fe-rich (Co0.7Fe2.3O4) ferrite nano-composites. Journal of Magnetism and Magnetic Materials, 2018, 465, 508-514.	2.3	42
16	Metal Oxide Based Hydroelectric Cell for Electricity Generation by Water Molecule Dissociation without Electrolyte/Acid. Journal of Physical Chemistry C, 2018, 122, 18841-18849.	3.1	50
17	Green hydroelectrical energy source based on water dissociation by nanoporous ferrite. International Journal of Energy Research, 2016, 40, 1652-1661.	4.5	65
18	Investigation on the effect of ferrite content on the multiferroic properties of (1-x) Ba0.95Sr0.05TiO3 $\hat{a} \in (x)$ Ni0.7Zn0.2Co0.1Fe2O4 ceramic composite. Materials Chemistry and Physics, 2015, 160, 447-455.	4.0	26

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19	Observation of multiferroic properties and magnetoelectric effect in (x)CoFe2O4â^'(1â^'x)Pb0.7Ca0.3TiO3 composites. Journal of Alloys and Compounds, 2014, 582, 628-634.	5.5	45
20	Comparative study of room temperature and low temperature magnetization and magnetoelectric coupling behavior of Ti and Pr doped BiFeO3. Superlattices and Microstructures, 2014, 67, 233-241.	3.1	11
21	High temperature dielectric and magnetic response of Ti and Pr doped BiFeO3 ceramics. Ceramics International, 2013, 39, 8113-8121.	4.8	38
22	Fabrication of Luminescent, Magnetic Hollow Core Nanospheres and Nanotubes of Cr-Doped ZnO by Inclusive Coprecipitation Method. Journal of Physical Chemistry C, 2010, 114, 18429-18434.	3.1	48
23	Humidity response of Li-substituted magnesium ferrite. Sensors and Actuators B: Chemical, 2008, 129, 909-914.	7.8	100