

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

567281

15
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

734
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Humidity response of Li-substituted magnesium ferrite. Sensors and Actuators B: Chemical, 2008, 129, 909-914.	7.8	100
3	Highly efficient low cost EMI shielding by barium ferrite encapsulated polythiophene nanocomposite. Journal of Alloys and Compounds, 2019, 779, 487-496.	5.5	66
4	Green hydroelectrical energy source based on water dissociation by nanoporous ferrite. International Journal of Energy Research, 2016, 40, 1652-1661.	4.5	65
5	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
6	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
7	Observation of multiferroic properties and magnetoelectric effect in $(x)\text{CoFe}_2\text{O}_4 \cdot (1-x)\text{Pb}_0.7\text{Ca}_0.3\text{TiO}_3$ composites. Journal of Alloys and Compounds, 2014, 582, 628-634.	5.5	45
8	Magneto-electric coupling and improved dielectric constant of BaTiO_3 and Fe-rich $(\text{Co}_0.7\text{Fe}_2.3\text{O}_4)$ ferrite nano-composites. Journal of Magnetism and Magnetic Materials, 2018, 465, 508-514.	2.3	42
9	High temperature dielectric and magnetic response of Ti and Pr doped BiFeO_3 ceramics. Ceramics International, 2013, 39, 8113-8121.	4.8	38
10	Surprisingly high magneto-electric coupling in cubic $\text{Co}_0.7\text{Fe}_2.3\text{O}_4\text{-SrTiO}_3$ nano-composites. Journal of Alloys and Compounds, 2019, 773, 564-570.	5.5	34
11	Novel application of multiferroic compound for green electricity generation fabricated as hydroelectric cell. Materials Chemistry and Physics, 2020, 239, 122068.	4.0	33
12	Investigation on the effect of ferrite content on the multiferroic properties of $(1-x)\text{Ba}_0.95\text{Sr}_0.05\text{TiO}_3 \cdot x\text{Ni}_0.7\text{Zn}_0.2\text{Co}_0.1\text{Fe}_2\text{O}_4$ ceramic composite. Materials Chemistry and Physics, 2015, 160, 447-455.	4.0	26
13	Defect-mediated ionic hopping and green electricity generation in $\text{Al}_2\text{xMgxO}_3$ -based hydroelectric cell. Journal of Materials Science, 2021, 56, 1600-1611.	3.7	23
14	Thermal annealing induced strong photoluminescence enhancement in Ag-TiO ₂ plasmonic nanocomposite thin films. Journal of Alloys and Compounds, 2019, 786, 750-757.	5.5	20
15	Nonphotocatalytic Water Splitting Process to Generate Green Electricity in Alkali Doped Zinc Oxide Based Hydroelectric Cell. Energy & Fuels, 2021, 35, 9714-9726.	5.1	19
16	Crystal structure refinement, dielectric and magnetic properties of A-site and B-site co-substituted $\text{Bi}_0.90\text{Nd}_0.10\text{Fe}_{1-x}\text{Ti}_x\text{O}_3$ ($x=0.00, 0.02, 0.05$ & 0.07) ceramics. Journal of Alloys and Compounds, 2018, 750, 848-856.	5.5	15
17	Comparative study of room temperature and low temperature magnetization and magnetoelectric coupling behavior of Ti and Pr doped BiFeO_3 . Superlattices and Microstructures, 2014, 67, 233-241.	3.1	11
18	2.8 Magnetic Materials. , 2018, , 204-234.		11

#	ARTICLE	IF	CITATIONS
19	Production of green electricity from strained BaTiO ₃ and TiO ₂ ceramics based hydroelectric cells. <i>Materials Chemistry and Physics</i> , 2021, 262, 124277.	4.0	11
20	Temperature Dependent Electric Properties and Magnetoelectric Effects in Ferroelectric rich Ni _{0.8} Mg _{0.2} Fe ₂ O ₄ + BaZr _{0.2} Ti _{0.8} O ₃ Magnetoelectric Composites. <i>Journal of Alloys and Compounds</i> , 2019, 777, 1258-1264.	5.5	10
21	Enhanced Water Splitting by Strained Lithium-Substituted Nickel Ferrite Hydroelectric Cells. <i>ACS Applied Energy Materials</i> , 2022, 5, 8178-8188.	5.1	9
22	Significant role of defect-induced surface energy in water splitting to generate electricity by nickel ferrite hydroelectric cell. <i>International Journal of Energy Research</i> , 2022, 46, 6421-6435.	4.5	7
23	Electrical microstructure properties of $\text{KNb}_3\text{O}_{10}$. <i>Journal of Alloys and Compounds</i> , 2018, 753, 642-645.		4