

# Ravinder Kumar Kotnala

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

564  
citations

840776

11  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

442  
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	Green hydroelectrical energy source based on water dissociation by nanoporous ferrite. International Journal of Energy Research, 2016, 40, 1652-1661.	4.5	65
3	Rapid green synthesis of ZnO nanoparticles using a hydroelectric cell without an electrolyte. Journal of Physics and Chemistry of Solids, 2017, 108, 15-20.	4.0	53
4	Magnetoelectric coupling-induced anisotropy in multiferroic nanocomposite $(1-x)BiFeO_3-xBaTiO_3$ . Journal of Nanoparticle Research, 2013, 15, 1.	1.9	31
5	A facile non-photocatalytic technique for hydrogen gas production by hydroelectric cell. International Journal of Hydrogen Energy, 2017, 42, 30584-30590.	7.1	29
6	Synthesis and characterization of thiolated pectin stabilized gold coated magnetic nanoparticles. Materials Chemistry and Physics, 2016, 173, 161-167.	4.0	28
7	Fabrication of a $SnO_2$ -Based Hydroelectric Cell for Green Energy Production. ACS Omega, 2020, 5, 10240-10246.	3.5	27
8	Water splitting on the mesoporous surface and oxygen vacancies of iron oxide generates electricity by hydroelectric cell. Materials Chemistry and Physics, 2021, 258, 123981.	4.0	21
9	Synthesis and characterization of pectin-6-aminohexanoic acid-magnetite nanoparticles for drug delivery. Materials Science and Engineering C, 2017, 80, 243-251.	7.3	19
10	Room-temperature multiferroic properties and magnetoelectric coupling in $Bi_{4-x}Sm_xTi_3-xCo_xO_{12}$ ceramics. Journal of Materials Science, 2014, 49, 6056-6066.	3.7	14
11	Electricity generation by splitting of water from hydroelectric cell: An alternative to solar cell and fuel cell. International Journal of Energy Research, 2020, 44, 11111-11134.	4.5	14
12	Effect of $Li^{+}$ , $Mg^{2+}$ , and $Al^{3+}$ Substitution on the Performance of Nickel Ferrite-Based Hydroelectric Cells. Energy & Fuels, 2022, 36, 7121-7129.	5.1	14
13	Significantly high electromagnetic shielding effectiveness in polypyrrole synthesized by eco-friendly and cost-effective technique. Journal of Applied Polymer Science, 2020, 137, 49566.	2.6	12
14	Production of green electricity from strained $BaTiO_3$ and $TiO_2$ ceramics based hydroelectric cells. Materials Chemistry and Physics, 2021, 262, 124277.	4.0	11
15	Study of dielectric and ac impedance properties of citrate-gel synthesized $Li_{0.35}Zn_{0.3}Fe_{2.35}O_4$ ferrite. Journal of Sol-Gel Science and Technology, 2012, 64, 149-155.	2.4	9
16	Multiferroic, magnetoelectric and magneto-impedance properties of $NiFe_2O_4/(Pb, Sr)TiO_3$ bilayer films. Journal of Electroceramics, 2017, 38, 51-62.	2.0	7
17	Enhanced multiferroic and magnetoelectric properties of $Ni_{0.92}(Cu_{0.05}Co_{0.03})Fe_2O_4/Ba_{1-x}Ca_xZr_{0.1}Ti_{0.9}O_3$ lead-free composite films. Solid State Sciences, 2019, 90, 34-40.	3.2	7
18	Significant role of defect-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

#	ARTICLE	IF	CITATIONS
19	ZnO Nanoflakes Self-assembled from Water Splitting Process by Hydroelectric Cell. Reaction Chemistry and Engineering, 0, , .	3.7	3