

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	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
2	Effect of Li ⁺ , Mg ²⁺ , and Al ³⁺ Substitution on the Performance of Nickel Ferrite-Based Hydroelectric Cells. <i>Energy & Fuels</i> , 2022, 36, 7121-7129.	5.1	14
3	Water splitting on the mesoporous surface and oxygen vacancies of iron oxide generates electricity by hydroelectric cell. <i>Materials Chemistry and Physics</i> , 2021, 258, 123981.	4.0	21
4	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
5	Electricity generation by splitting of water from hydroelectric cell: An alternative to solar cell and fuel cell. <i>International Journal of Energy Research</i> , 2020, 44, 11111-11134.	4.5	14
6	Significantly high electromagnetic shielding effectiveness in polypyrrole synthesized by eco-friendly and cost-effective technique. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49566.	2.6	12
7	Fabrication of a SnO ₂ -Based Hydroelectric Cell for Green Energy Production. <i>ACS Omega</i> , 2020, 5, 10240-10246.	3.5	27
8	Enhanced multiferroic and magnetoelectric properties of Ni _{0.92} (Cu _{0.05} Co _{0.03})Fe ₂ O ₄ /Ba _{1-x} CaxZr _{0.10} Ti _{0.90} O ₃ lead-free composite films. <i>Solid State Sciences</i> , 2019, 90, 34-40.	3.2	7
9	Significance of interface barrier at electrode of hematite hydroelectric cell for generating ecopower by water splitting. <i>International Journal of Energy Research</i> , 2019, 43, 4743-4755.	4.5	193
10	Rapid green synthesis of ZnO nanoparticles using a hydroelectric cell without an electrolyte. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 108, 15-20.	4.0	53
11	Synthesis and characterization of pectin-6-aminohexanoic acid-magnetite nanoparticles for drug delivery. <i>Materials Science and Engineering C</i> , 2017, 80, 243-251.	7.3	19
12	A facile non-photocatalytic technique for hydrogen gas production by hydroelectric cell. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 30584-30590.	7.1	29
13	Multiferroic, magnetoelectric and magneto-impedance properties of NiFe ₂ O ₄ /(Pb, Sr) TiO ₃ bilayer films. <i>Journal of Electroceramics</i> , 2017, 38, 51-62.	2.0	7
14	Green hydroelectrical energy source based on water dissociation by nanoporous ferrite. <i>International Journal of Energy Research</i> , 2016, 40, 1652-1661.	4.5	65
15	Synthesis and characterization of thiolated pectin stabilized gold coated magnetic nanoparticles. <i>Materials Chemistry and Physics</i> , 2016, 173, 161-167.	4.0	28
16	Room-temperature multiferroic properties and magnetoelectric coupling in Bi _{4-x} Sm _x Ti _{3-x} Co _x O ₁₂ ferrite ceramics. <i>Journal of Materials Science</i> , 2014, 49, 6056-6066.	3.7	14
17	Magnetoelectric coupling-induced anisotropy in multiferroic nanocomposite (1-x)BiFeO ₃ -xBaTiO ₃ . <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	31
18	Study of dielectric and ac impedance properties of citrate-gel synthesized Li _{0.35} Zn _{0.3} Fe _{2.35} O ₄ ferrite. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 64, 149-155.	2.4	9

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