

# Vikash Gajraj

## List of Publications by Year in descending order

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15  
papers

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Novel compositions of mesoporous spinel-type ternary metal oxides microspheres: Structural and electrical properties functionality. <i>Physica B: Condensed Matter</i> , 2022, 630, 413679.	2.7	9
2	Silver, Copper, Magnesium and Zinc Contained Electroactive Mesoporous Bioactive S53P4 Glass-Ceramics Nanoparticle for Bone Regeneration: Bioactivity, Biocompatibility and Antibacterial Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2309-2321.	3.7	3
3	Designing Novel $\text{Co}_2\text{FeVO}_8$ Microsticks with Prompted Multiple Electrochemical Performances for an Asymmetric Solid-State Supercapacitor and the Hydrogen Evolution Reaction. <i>Energy &amp; Fuels</i> , 2022, 36, 4585-4595.	5.1	4
4	Preparation of spinel structured $\text{MnCo}_2\text{O}_4$ microspheres for energy storage devices. <i>Ferroelectrics</i> , 2022, 588, 55-64.	0.6	2
5	Fabrication of Nanocluster-Aggregated Dense $\text{Ce}_2(\text{MoO}_4)_3$ Microspherical Architectures for High-Voltage Energy Storage and High Catalytic Energy Conversion Applications. <i>Energy &amp; Fuels</i> , 2022, 36, 7841-7853.	5.1	3
6	Synthesis and supercapacitive behaviour of $\text{SnO}_2/\text{r-GO}$ nanocomposite. <i>Synthetic Metals</i> , 2022, 289, 117132.	3.9	18
7	$\text{CuWO}_4$ : A promising multifunctional electrode material for energy storage as in redox active solid-state asymmetric supercapacitor and an electrocatalyst for energy conversion in methanol electro-oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115504.	3.8	18
8	Correlation between structural, electrical and electrochemical performance of Zn doped high voltage spinel $\text{LiNi}_{0.5}\text{Zn}_x\text{Mn}_{1.5}\text{O}_4$ porous microspheres as a cathode material for Li-Ion batteries. <i>Ceramics International</i> , 2021, 47, 35275-35286.	4.8	12
9	Hybrid aqueous supercapacitors based on mesoporous spinel-analogous Zn-Ni-Co-O nanorods: Effect of Ni content on the structure and energy storage. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160712.	5.5	10
10	Boosting the Multifunctional Properties of $\text{MnCo}_2\text{O}_4$ - $\text{MnCo}_2\text{S}_4$ Heterostructure for Portable All-Solid-State Symmetric Supercapacitor, Methanol Oxidation and Hydrogen Evolution Reaction. <i>ChemistrySelect</i> , 2021, 6, 11466-11481.	1.5	11
11	Multifunctionality exploration of $\text{NiCo}_2\text{O}_4$ -rGO nanocomposites: photochemical water oxidation, methanol electro-oxidation and asymmetric supercapacitor applications. <i>Dalton Transactions</i> , 2021, 50, 18001-18015.	3.3	8
12	Growth of $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ crystals on reduced graphene oxide sheets for high energy and power density charge storage. <i>Materials Research Bulletin</i> , 2020, 124, 110742.	5.2	7
13	Electrochemical performances of asymmetric aqueous supercapacitor based on porous $\text{Cu}_3\text{Mo}_2\text{O}_9$ petals and $\text{La}_2\text{Mo}_3\text{O}_{12}$ nanoparticles fabricated through a simple co-precipitation method. <i>Applied Surface Science</i> , 2020, 512, 145648.	6.1	27
14	Synthesis and electrical impedance study of $\text{Li}_{1+2x}\text{Ni}_{0.5}\text{Mn}_{1.5-x}\text{Zn}_x\text{O}_4$ ( $0 \leq x \leq 0.3$ ) for Li-ion battery application. <i>Materials Today: Proceedings</i> , 2020, 28, 2258-2262.	1.8	0
15	Synthesis and electrochemical properties of rGO/polypyrrole/ferrites nanocomposites obtained via a hydrothermal route for hybrid aqueous supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2019, 845, 72-83.	3.8	54