

1. RESEARCH PUBLICATIONS :

Sr. No	Publication Details
1.	Bimetallic Microporous MnCu-Oxide Electrode as Highly Stable Electrocatalyst for Oxygen Evolution Reaction. <i>Under Review (2021).</i> Ramesh J. Deokate, Harish S. Chavan, Sarfraj H. Mujawar , Sawanta S. Mali, Chang Kook Hong, Hyunsik Im, Akbar I. Inamdar.
2.	Overview of Molybdenum Disulfide Based Electrodes for Supercapacitors: A Short Review. <i>Under Review (2021).</i> Komal B. Pisal , Bapuso M. Babar , Sarfraj H. Mujawar , Laxman D. Kadam.
3.	Photoelectrochemicap properties of Zinc Oxide/Cu ₂ O thin films. <i>Under Review (2021).</i> Sarfraj H. Mujawar , Ramesh J. Deokate, Harish S. Chavan, Akbar I. Inamdar.
4.	Photoelectrochemicap properties of Zinc Stannate/CdS thin films. Under Review (2021). Sarfraj H. Mujawar , Mahendra A. Patil and Harish P. Deshmukh.
5.	Effect of Annealing Temperature on Morphologies of Metal Organic Framework Derived NiFe ₂ O ₄ For Supercapacitor Application. <i>Journal of Energy Storage, 40, 102821, 2021.</i> P.D. Patil, S.R. Shingte, V.C. Karade, J.H. Kim, T.D. Dongale, S.H. Mujawar , A.M. Patil, P.B. Patil.
6.	Synthesis and Characterization of Hydrothermally Prepared Molybdenum Disulfide for Supercapacitor Application. <i>Materials Today: Proceedings, 43, 2707-2710, 2021.</i> K.B. Pisal, A.S. Thorat, S.S. Jagtap, P.K. Pagare, S.H. Mujawar, L.D. Kadam.
7.	Fast Response and Highly Selective Nitrogen Dioxide Gas Sensor Based on Zinc Stannate Thin Films. <i>Materials Science for Energy Technologies, 3, 36-42, 2020.</i> Sarfraj H. Mujawar , Mahendra A. Patil and Harish P. Deshmukh.
8.	Chalcogenide Nanocomposite Electrodes Grown by Chemical Etching of NiO Foam as Electrocatalyst for Efficient Oxygen Evolution Reaction. <i>International Journal of Energy Research , 44 (2),1233-1243, 2020.</i> Ramesh J. Deokate, Sarfraj H. Mujawar , Harish S. Chavan, Sawanta S. Mali, Chang Kook Hong, Hyunsik Im, Akbar I. Inamdar.
9.	Pulse Laser Deposited COFeO ₄ Thin films as supercapacitor electrode. <i>RSC Advances 10 (33), 19353-19359, 2020.</i> S.M. Nikam, A.Sharma, M. Rahaman, A.M. Teli, S.H. Mujawar , D.R.T. Zahn, P.S. Patil, S.C. Sahoo, G. Salvan, P.B. Patil.

10.	Electrochromic Properties of Layered Nb ₂ O ₅ -WO ₃ Thin Films. <i>Materials Today: Proceedings</i>, 23, 430-436, 2020. S. H. Mujawar, B. B. Dhale, P. S. Patil.
11.	Hydrothermal Synthesis of β -Ni(OH) ₂ and its Supercapacitor Properties <i>AIP Conference Proceedings</i> 1942 (1), 140059, 2018. Suraj S. Waghmare, Prashant B. Patil, Shiva K. Baruva, Madhuri S. Rajput, Ramesh J. Deokate, Sarfraj H. Mujawar.
12.	Enhanced NO ₂ Response of Hydrothermally Grown Ti doped WO ₃ Nanostructures <i>Journal of Materials Science: Materials in Electronics</i>, 28 (2), 1612-1619, 2017. V. B. Patil, N. L. Tarwal, S. H. Mujawar , I. S. Mulla, P. S. Walke, S. S. Suryavanshi.
13.	Electrochromic Properties of Copper Oxide (I) Thin Films <i>Energy and Environment Focus</i> 5 (3), 195-199, 2016. B.B. Dhale, S.H. Mujawar, H.P. Deshmukh, P.S. Patil.
14.	Synthesis and Characterization of Zinc Stannate Thin Films by Spray Pyrolysis Technique. <i>Journal of Materials Science: Materials in Electronics, Special Issue</i>, 1-6, 2016. Mahendra A. Patil, Sarfraj H. Mujawar , Vinayak V. Ganbavle, Kesu Y. Rajpure, Harish P. Deshmukh.
15.	The Preparation of Zinc Oxide Thin Films and Their Electrical and Optical Properties <i>Int. Journal of Emerging Research in Management & Technology</i>, 4, 207-212, 2015. B. B. Dhale, S. H. Mujawar , H. P. Deshmukh, P.S. Patil.
16.	Photoluminescence and Photo-electrochemical Properties of The Spray Deposited Copper Doped Zinc Oxide Thin Films. <i>Ceramics International</i>, 40, 7669-7677, 2014. N.L. Tarwal, K.V. Gurav, S.H. Mujawar , S.B. Sadale, K.W. Nam, W.R. Bae, A.V. Moholkar, J.H. Kim, P.S. Patil, J.H. Jang.
17.	Graphene Based Composites as a Counter Electrode for Dye-Sensitized Solar Cells <i>Current Applied Physics</i>, 12, 49- 53, 2012. T. Battumur, Sarfraj H. Mujawar , Swapnil B. Ambade, Wonjee Lee, Sung-Hwan Han, Soo-Hyoung Lee.
18.	The Influences of Complexing Agents on Growth of Zinc Oxide Thin Films from Zinc Acetate Bath and Associated Kinetic Parameters. <i>International Journal of Electrochemical Science</i>, 2, 797, 2007. A.I. Inamdar, S.H. Mujawar , P.S. Patil.
19.	Electropolymerization of Polyaniline on Titanium Oxide Nanotubes for Supercapacitor Application. <i>Electrochimica Acta</i> 56, 4462-4466, 2011. Sarfraj H. Mujawar , Swapnil B. Ambade, T Battumur, Rohan B. Ambade,

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20.	High Efficiency Polymer Solar Cells via Sequential Inkjet-Printing of PEDOT:PSS and P3HT:PCBM Inks with Additives. <i>Organic Electronics, 11, 1516, 2010.</i> Seung Hun Eom, Hanok Park, S.H. Mujawar , Sung Cheol Yoon, Seok-Soon Kim, Seok-In Na, Seok-Ju Kang, Dongyoon Khim, Dong-Yu Kim, Soo-Hyoung Lee.
21.	Electrochromism in Composite WO ₃ –Nb ₂ O ₅ Thin Films Synthesized by Spray Pyrolysis Technique. <i>Journal of Applied Electrochemistry 41 (4), 397-403.</i> S.H. Mujawar, A.I. Inamdar, C.A.Betty, R.C. Korošec, P.S. Patil.
22.	Strong Photo-response in a Flip-Chip Nanowire p-Cu ₂ O/n-ZnO Junction <i>Nanoscale 3 (11), 4706-4712</i> M. Deo, S. Mujawar, O. Game, A. Yengantiwar, A. Banpurkar, S. Kulkarni.
23.	Spray Deposited Titanium Oxide Thin Films as Passive Counter Electrodes. <i>Electrochimica Acta, 52, 3114, 2007.</i> P.S. Shinde, H.P. Deshmukh, S.H. Mujawar , A. I. Inamdar, P. S. Patil.
24.	Effect of Post Annealing Treatment on Electrochromic Properties of Spray Deposited Niobium Oxide Thin Films. <i>Electrochimica Acta 52, 4899, 2007.</i> S. H. Mujawar , A. I. Inamdar, C. A . Betty, V Ganesan, P. S. Patil.
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29.	Effect of Film Thickness on Electrochromic Activity of Spray Deposited Iridium Oxide Thin Films. <i>Materials Chemistry and Physics, 99, 101, 2006.</i> P.S. Patil, S.H. Mujawar , S.B. Sadale, H.P Deshmukh, A.I Inamdar.
30.	Enhanced Conversion Efficiency in Dye-Sensitized Solar Cells Based on

	<p>Hydrothermally Synthesized TiO₂- MWCNT Nanocomposites. <i>ACS Applied Materials and Interfaces</i>, 1, 2030, 2009. Subas Muduli, Wonjoo Lee, Vivek Dhas, Sarfraj Mujawar, Megha Dubey, Vijayamohanan, Sung-Hwa Han, Satishchandra Ogale.</p>
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32.	<p>Concentration Dependent Structural, Optical and Electrochromic Properties of MoO₃ Thin Films. <i>International Journal of electrochemical science</i>. 3, 512, 2008. S.S. Mahajan, S.H. Mujawar, P.S. Shinde, A.I. Inamdar, P.S. Patil.</p>
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34.	<p>Structural, Optical and Electrochromic Properties of Nb-Doped MoO₃ Thin Films. <i>Applied Surface Science</i>, 254, 5895, 2008. S.S. Mahajan, S.H. Mujawar, P.S. Shinde, A.I. Inamdar, P.S. Patil.</p>
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