

Silambarasan Perumal

List of Publications by Year in descending order

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16
papers

199
citations

1163117

8
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1125743

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all docs

16
docs citations

16
times ranked

142
citing authors

#	ARTICLE	IF	CITATIONS
1	A facile synthesis of metal ferrites and their catalytic removal of toxic nitro-organic pollutants. <i>Environmental Pollution</i> , 2021, 270, 116063.	7.5	39
2	Feasibility of magnetic nano adsorbent impregnated with activated carbon from animal bone waste: Application for the chromium (VI) removal. <i>Environmental Research</i> , 2022, 203, 111813.	7.5	38
3	Surface-tuned hierarchical $\text{Fe}_3\text{O}_4/\text{N-rGO}$ nanohydrogel for efficient catalytic removal and electrochemical sensing of toxic nitro compounds. <i>Chemosphere</i> , 2021, 268, 128853.	8.2	31
4	2D Trimetal-organic framework derived metal carbon hybrid catalyst for urea electro-oxidation and 4-nitrophenol reduction. <i>Chemosphere</i> , 2021, 267, 129243.	8.2	23
5	Sustainable NO removal and its sensitive monitoring at room temperature by electrogenerated Ni (I) electron mediator. <i>Chemosphere</i> , 2021, 265, 129122.	8.2	17
6	Sustainable generation of homogeneous Fe(VI) oxidant for the room temperature removal of gaseous N ₂ O by electro-scrubbing process. <i>Chemosphere</i> , 2021, 272, 129497.	8.2	11
7	Real-time monitoring of chlorobenzene gas using an electrochemical gas sensor during mediated electrochemical degradation at room temperature. <i>Journal of Electroanalytical Chemistry</i> , 2021, 894, 115372.	3.8	11
8	Enhanced sustainable electro-generation of a Ni (I) homogeneous electro-catalyst at a silver solid amalgam electrode for the continuous degradation of N ₂ O, NO, DCM, and CB pollutants. <i>Journal of Hazardous Materials</i> , 2021, 420, 126564.	12.4	11
9	Real time potentiometric macro flow sensor: An innovative tool to monitor electrogenerated electron mediator in high concentrated electrolyte during electrolysis and air pollutants removal. <i>Electrochimica Acta</i> , 2019, 295, 427-433.	5.2	6
10	Towards Efficient Potentiometric Sensor for a Homogenous Active Metal Ion: Rationalization Using Perpendicular and Parallel Solution Flow Methods. <i>Journal of the Electrochemical Society</i> , 2020, 167, 067520.	2.9	4
11	Cerium-polysulfide redox flow battery with possible high energy density enabled by MFI-Zeolite membrane working with acid-base electrolytes. <i>Chemosphere</i> , 2022, 291, 132680.	8.2	4
12	Combination of Acid-Base Electrolyte at Each Half-Cell with a Single Zeolite Membrane for Crossover Free and Possible Increased Energy Density in an All Aqueous Redox Flow Battery. <i>Journal of the Electrochemical Society</i> , 2021, 168, 020531.	2.9	2
13	Study of Preventing the Alumina Dissolution and Metal Ion Migration in the Ceramic Membrane Divided -Electrochemical Cell Worked with High Acid-Base Electrolyte. <i>Journal of the Electrochemical Society</i> , 0, , .	2.9	1
14	Homogeneous Ni(II)tetra Sulfonated Phthalocyanine Electrocatalyst Generated at Low Overpotential Clubbed with a Wet-Scrubbing Column for High Efficiency NO Reduction to NH ₃ . <i>ChemistrySelect</i> , 2021, 6, 11980-11984.	1.5	1
15	The Kinetic Parameters Derived Based on Transient Current Changes in Paired Electrolysis at Rotating Disc Electrode for an E^{TM} Reaction in a Highly Concentrated Electrolyte. <i>International Journal of Electrochemical Science</i> , 2020, 15, 7370-7380.	1.3	0
16	Enhancing the mediated electrochemical reduction process combined with developed liquid-gas electrochemical flow sensors for sustainable N ₂ O removal at room temperature. <i>Environmental Research</i> , 2022, 204, 111912.	7.5	0