Silambarasan Perumal

List of Publications by Year
in descending order

16	199	1163117 8	1125743 13
papers	citations	h-index	g-index

16	16	16	142
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Feasibility of magnetic nano adsorbent impregnated with activated carbon from animal bone waste: Application for the chromium (VI) removal. Environmental Research, 2022, 203, 111813.	7.5	38
2	Enhancing the mediated electrochemical reduction process combined with developed liquid-gas electrochemical flow sensors for sustainable N2O removal at room temperature. Environmental Research, 2022, 204, 111912.	7.5	0
3	Cerium-polysulfide redox flow battery with possible high energy density enabled by MFI-Zeolite membrane working with acid-base electrolytes. Chemosphere, 2022, 291, 132680.	8.2	4
4	Surface-tuned hierarchical É-Fe2O3â€“N-rGO nanohydrogel for efficient catalytic removal and electrochemical sensing of toxic nitro compounds. Chemosphere, 2021, 268, 128853.	8.2	31
5	2D Trimetal-organic framework derived metal carbon hybrid catalyst for urea electro-oxidation and 4-nitrophenol reduction. Chemosphere, 2021, 267, 129243.	8.2	23
6	A facile synthesis of metal ferrites and their catalytic removal of toxic nitro-organic pollutants. Environmental Pollution, 2021, 270, 116063.	7.5	39
7	Sustainable NO removal and its sensitive monitoring at room temperature by electrogenerated Ni (I) electron mediator. Chemosphere, 2021, 265, 129122.	8.2	17
8	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. Journal of the Electrochemical Society, 2021, 168, 020531.	2.9	2
9	Sustainable generation of homogeneous Fe(VI) oxidant for the room temperature removal of gaseous N2O by electro-scrubbing process. Chemosphere, 2021, 272, 129497.	8.2	11
10	Real-time monitoring of chlorobenzene gas using an electrochemical gas sensor during mediated electrochemical degradation at room temperature. Journal of Electroanalytical Chemistry, 2021, 894, 115372.	3.8	11
11	Enhanced sustainable electro-generation of a Ni (I) homogeneous electro-catalyst at a silver solid amalgam electrode for the continuous degradation of N2O, NO, DCM, and CB pollutants. Journal of Hazardous Materials, 2021, 420, 126564.	12.4	11
12	Homogeneous Ni(I)tetra Sulfonated Phthalocyanine Electrocatalyst Generated at Low Overpotential Clubbed with a Wetâ€Scrubbing Column for High Efficiency NO Reduction to NH 3. ChemistrySelect, 2021, 6, 11980-11984.	1.5	1
13	The Kinetic Parameters Derived Based on Transient Current Changes in Paired Electrolysis at Rotating Disc Electrode for an Eâ€™ Reaction in a Highly Concentrated Electrolyte. International Journal of Electrochemical Science, 2020, 15, 7370-7380.	1.3	0
14	Towards Efficient Potentiometric Sensor for a Homogenous Active Metal Ion: Rationalization Using Perpendicular and Parallel Solution Flow Methods. Journal of the Electrochemical Society, 2020, 167, 067520.	2.9	4
15	Real time potentiometric macro flow sensor: An innovative tool to monitor electrogenerated electron mediator in high concentrated electrolyte during electrolysis and air pollutants removal. Electrochimica Acta, 2019, 295, 427-433.	5.2	6
16	Study of Preventing the Alumina Dissolution and Metal Ion Migration in the Ceramic Membrane Divided -Electrochemical Cell Worked with High Acid-Base Electrolyte. Journal of the Electrochemical Society, 0, , .	2.9	1