

Sayed A M Marzouk

List of Publications by Year in descending order

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39
papers

1,456
citations

331538

21
h-index

315616

38
g-index

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all docs

39
docs citations

39
times ranked

1575
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrodeposited Iridium Oxide pH Electrode for Measurement of Extracellular Myocardial Acidosis during Acute Ischemia. <i>Analytical Chemistry</i> , 1998, 70, 5054-5061.	3.2	191
2	Modeling of CO ₂ absorption in membrane contactors. <i>Separation and Purification Technology</i> , 2008, 59, 286-293.	3.9	144
3	Improved Electrodeposited Iridium Oxide pH Sensor Fabricated on Etched Titanium Substrates. <i>Analytical Chemistry</i> , 2003, 75, 1258-1266.	3.2	122
4	Removal of carbon dioxide from pressurized CO ₂ –CH ₄ gas mixture using hollow fiber membrane contactors. <i>Journal of Membrane Science</i> , 2010, 351, 21-27.	4.1	80
5	A novel ferroin membrane sensor for potentiometric determination of iron. <i>Talanta</i> , 1994, 41, 891-899.	2.9	71
6	Simultaneous removal of CO ₂ and H ₂ S from pressurized CO ₂ –H ₂ S–CH ₄ gas mixture using hollow fiber membrane contactors. <i>Separation and Purification Technology</i> , 2012, 86, 88-97.	3.9	68
7	Evaluation of the removal of CO ₂ using membrane contactors: Membrane wettability. <i>Journal of Membrane Science</i> , 2010, 350, 410-416.	4.1	60
8	Methylene blue potentiometric sensor for selective determination of sulfide ions. <i>Analytica Chimica Acta</i> , 2002, 466, 47-55.	2.6	52
9	A Conducting Salt-Based Amperometric Biosensor for Measurement of Extracellular Lactate Accumulation in Ischemic Myocardium. <i>Analytical Chemistry</i> , 1997, 69, 2646-2652.	3.2	49
10	An Integrated Professional and Transferable Skills Course for Undergraduate Chemistry Students. <i>Journal of Chemical Education</i> , 2011, 88, 44-48.	1.1	49
11	Measurement of extracellular pH, K ⁺ , and lactate in ischemic heart. <i>Analytical Biochemistry</i> , 2002, 308, 52-60.	1.1	46
12	Selective potentiometric determination of nitrite ion using a novel (4-sulphophenylazo)-1-naphthylamine membrane sensor. <i>Talanta</i> , 2003, 59, 1237-1244.	2.9	46
13	Development of a diamine biosensor. <i>Talanta</i> , 1997, 44, 1625-1632.	2.9	39
14	Prototype Amperometric Biosensor for Sialic Acid Determination. <i>Analytical Chemistry</i> , 2007, 79, 1668-1674.	3.2	39
15	CO ₂ Removal from CO ₂ –CH ₄ Gas Mixture Using Different Solvents and Hollow Fiber Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 3600-3605.	1.8	39
16	Removal of percentile level of H ₂ S from pressurized H ₂ S–CH ₄ gas mixture using hollow fiber membrane contactors and absorption solvents. <i>Journal of Membrane Science</i> , 2010, 360, 436-441.	4.1	34
17	Amperometric monitoring of lactate accumulation in rabbit ischemic myocardium. <i>Talanta</i> , 1997, 44, 1527-1541.	2.9	32
18	Facilitated Transport of CO ₂ through Immobilized Liquid Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 9273-9278.	1.8	31

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19	Amperometric flow injection determination of putrescine and putrescine oxidase. <i>Analytica Chimica Acta</i> , 1998, 363, 57-65.	2.6	26
20	High pressure removal of acid gases using hollow fiber membrane contactors: Further characterization and long-term operational stability. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 37, 192-198.	2.1	26
21	Poly(vinyl chloride) matrix membrane electrodes for manual and flow injection determination of metal azides. <i>Analyst, The</i> , 1992, 117, 1683.	1.7	25
22	A Simple FIA-System for Simultaneous Measurements of Glucose and Lactate with Amperometric Detection. <i>Electroanalysis</i> , 2000, 12, 1304-1311.	1.5	20
23	A novel 1,10-phenanthroline-sensitive membrane sensor for potentiometric determination of Hg(II) and Cu(II) cations. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 1186-1192.	1.9	20
24	Flow injection determination of sialic acid based on amperometric detection. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 647-653.	4.0	19
25	Potentiometric gas sensor for the selective determination of azides. <i>Analytical Chemistry</i> , 1991, 63, 1547-1552.	3.2	16
26	Sequential flow-injection potentiometric determination of iodide and iodine in povidone iodine pharmaceuticals. <i>Electroanalysis</i> , 1993, 5, 855-861.	1.5	16
27	Simple analyzer for continuous monitoring of sulfur dioxide in gas streams. <i>Microchemical Journal</i> , 2010, 95, 207-212.	2.3	11
28	Gas analyzer for continuous monitoring of carbon dioxide in gas streams. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 398-404.	4.0	11
29	Experimental and modeling of CO ₂ removal from gas mixtures using membrane contactors packed with glass beads. <i>Separation and Purification Technology</i> , 2019, 217, 240-246.	3.9	10
30	pH _i and pH _o at different depths in perfused myocardium measured by confocal fluorescence microscopy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 275, H1937-H1947.	1.5	9
31	SOLID STATE IRIDIUM OXIDE-TITANIUM BASED SENSOR FOR FLOW INJECTION pH MEASUREMENTS. <i>Analytical Letters</i> , 2002, 35, 1301-1311.	1.0	9
32	Analyzer for continuous monitoring of H ₂ S in gas streams based on a novel thermometric detection. <i>Sensors and Actuators B: Chemical</i> , 2012, 162, 377-383.	4.0	9
33	Potentiometric Determination of Arylsulfatase Activity Using a Novel Nitrocatechol Sulfate PVC Membrane Sensor. <i>Analytical Chemistry</i> , 1995, 67, 1887-1891.	3.2	8
34	Serum Fluoride Levels in a Group of Egyptian Infants and Children from Cairo City. <i>Archives of Environmental Health</i> , 2003, 58, 306-315.	0.4	8
35	Portable analyzer for continuous monitoring of sulfur dioxide in gas stream based on amperometric detection and stabilized gravity-driven flow. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 24-33.	4.0	8
36	Calcium Selective Polymeric Membranes for Microfabricated Sensor Arrays. <i>Analytical Letters</i> , 1996, 29, 725-743.	1.0	5

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37	Development and Characterization of Novel Flow Injection, Thin-Layer, and Batch Cells for Electroanalytical Applications Using Screen-Printed Electrodes. <i>Analytical Chemistry</i> , 2021, 93, 16690-16699.	3.2	4
38	Portable dual-channel gas analyzer for continuous monitoring of carbon dioxide in gas streams. <i>Microchemical Journal</i> , 2013, 110, 185-191.	2.3	3
39	Vitamin D Is Necessary for Murine Gastric Epithelial Homeostasis. <i>Biology</i> , 2021, 10, 705.	1.3	1