Spas D Kolev

List of Publications by Year in Descending Order

213 papers	5,577 citations	36 h-index	61 g-index
223 ext. papers	6,307 ext. citations	6.5 avg, IF	6.09 L-index

#	Paper	IF	Citations
213	Development of micro polymer inclusion beads (μPIBs) for the extraction of lanthanum. *Separation and Purification Technology*, **2022**, 285, 120342	8.3	1
212	Flow-through passive sampler for zinc in freshwaters free from flow pattern, water cationic composition and temperature effects. *Microchemical Journal*, **2022**, 177, 107294	4.8	1
211	Hybrid organic-inorganic membranes based on sulfonated poly (ether ether ketone) matrix and iron-encapsulated carbon nanotubes and their application in CO separation.. *RSC Advances*, **2022**, 12, 13367-13380	3.7	
210	Microfluidic Fabrication of Micropolymer Inclusion Beads for the Recovery of Gold from Electronic Scrap.. *ACS Applied Materials & Interfaces*, **2021**, 13, 61661-61668	9.5	1
209	Limonene Emissions: Do Different Types Have Different Biological Effects?. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	2
208	Analysis of the EU-27 Countries Energy Markets Integration in Terms of the Sustainable Development SDG7 Implementation. *Energies*, **2021**, 14, 7079	3.1	3
207	Improving the extraction performance of polymer inclusion membranes by cross-linking their polymeric backbone. *Reactive and Functional Polymers*, **2021**, 160, 104813	4.6	2
206	A cross-linked polymer inclusion membrane for enhanced gold recovery from electronic waste. *Waste Management*, **2021**, 124, 54-62	8.6	4
205	Volatile chemical emissions from essential oils with therapeutic claims. *Air Quality, Atmosphere and Health*, **2021**, 14, 365-369	5.6	5
204	Selective extraction of Bi(III) from sulfate solutions by a poly(vinyl chloride) based polymer inclusion membrane incorporating bis(2-ethylhexyl)phosphoric acid as the extractant. *Reactive and Functional Polymers*, **2021**, 164, 104935	4.6	4
203	Graphene/fluorescein dye-based sensor for detecting As(III) in drinking water. *Scientific Reports*, **2021**, 11, 17321	4.9	3
202	Transport of Rhodium(III) from Chloride Media across a Polymer Inclusion Membrane Containing an Ionic Liquid Metal Ion Carrier. *ACS Omega*, **2020**, 5, 12989-12995	3.9	5
201	Exploring the use of Dicranopteris pedata ash as a rare earth fertilizer to Ipomoea aquatica Forsskal. *Journal of Hazardous Materials*, **2020**, 400, 123207	12.8	5
200	PVDF-HFP based polymer inclusion membranes containing Cyphos® IL 101 and Aliquat® 336 for the removal of Cr(VI) from sulfate solutions. *Separation and Purification Technology*, **2020**, 250, 117251	8.3	19
199	Localization of mercury and gold in cassava (Manihot esculenta Crantz). *Environmental Science and Pollution Research*, **2020**, 27, 18498-18509	5.1	5
198	Use of an ether-derived 3-hydroxy-4-pyridinone chelator as a new chromogenic reagent in the development of a microfluidic paper-based analytical device for Fe(III) determination in natural waters. *Talanta*, **2020**, 214, 120887	6.2	7
197	Green solvents for the fabrication of polymer inclusion membranes (PIMs). *Separation and Purification Technology*, **2020**, 239, 116486	8.3	14

196	Use of a Polymer Inclusion Membrane and a Chelating Resin for the Flow-Based Sequential Determination of Copper(II) and Zinc(II) in Natural Waters and Soil Leachates. *Molecules*, **2020**, 25,	4.8	2
195	Volatile chemical emissions from car air fresheners. *Air Quality, Atmosphere and Health*, **2020**, 13, 1329-1334	3.6	3
194	Monitoring of ammonia in marine waters using a passive sampler with biofouling resistance and neural network-based calibration. *Environmental Pollution*, **2020**, 267, 115457	9.3	3
193	Water monitoring using polymer inclusion membranes: a review. *Environmental Chemistry Letters*, **2020**, 18, 129-150	13.3	13
192	Pandemic products and volatile chemical emissions. *Air Quality, Atmosphere and Health*, **2020**, 14, 1-7	5.6	9
191	Automatic determination of arsenate in drinking water by flow analysis with dual membrane-based separation. *Food Chemistry*, **2019**, 283, 232-238	8.5	11
190	Development of a micro-distillation microfluidic paper-based analytical device as a screening tool for total ammonia monitoring in freshwaters. *Analytica Chimica Acta*, **2019**, 1079, 120-128	6.6	20
189	Nanostructural characterisation of polymer inclusion membranes using X-ray scattering. *Journal of Membrane Science*, **2019**, 588, 117208	9.6	7
188	Salivary Cotinine Assays **2019**, 411-418		
187	Effect of cross-linking on the performance of polymer inclusion membranes (PIMs) for the extraction, transport and separation of Zn(II). *Journal of Membrane Science*, **2019**, 589, 117256	9.6	22
186	The potential of polystyrene-block-polybutadiene-block-polystyrene triblock co-polymer as a base-polymer of polymer inclusion membranes (PIMs). *Separation and Purification Technology*, **2019**, 229, 115800	8.3	8
185	Volatile chemical emissions from 134 common consumer products. *Air Quality, Atmosphere and Health*, **2019**, 12, 1259-1265	5.6	16
184	Polymer Inclusion Membranes **2019**, 439-461		3
183	Separation and Recovery of Scandium from Sulfate Media by Solvent Extraction and Polymer Inclusion Membranes with Amic Acid Extractants. *ACS Omega*, **2019**, 4, 21122-21130	3.9	9
182	Selective transport of scandium(III) across polymer inclusion membranes with improved stability which contain an amic acid carrier. *Journal of Membrane Science*, **2019**, 572, 291-299	9.6	31
181	Recovery of gold ions from discarded mobile phone leachate by solvent extraction and polymer inclusion membrane (PIM) based separation using an amic acid extractant. *Separation and Purification Technology*, **2019**, 214, 156-161	8.3	40
180	A polymer inclusion membrane composed of the binary carrier PC-88A and Versatic 10 for the selective separation and recovery of Sc.. *RSC Advances*, **2018**, 8, 8631-8637	3.7	15
179	Flow injection spectrophotometric determination of V(V) involving on-line separation using a poly(vinylidene fluoride-co-hexafluoropropylene)-based polymer inclusion membrane. *Talanta*, **2018**, 181, 385-391	6.2	15

178	Gas-diffusion-based passive sampler for ammonia monitoring in marine waters. *Talanta*, **2018**, 181, 52-56	6.2	11
177	Polymer inclusion membranes (PIMs) containing purified dinonylnaphthalene sulfonic acid (DNNS): Performance and selectivity. *Separation and Purification Technology*, **2018**, 195, 446-452	8.3	14
176	A comparison of the use of commercial and diluent free LIX84I in poly(vinylidene fluoride-co-hexafluoropropylene) (PVDF-HFP)-based polymer inclusion membranes for the extraction and transport of Cu(II). *Separation and Purification Technology*, **2018**, 202, 59-66	8.3	10
175	Selective extraction of vanadium(V) from sulfate solutions into a polymer inclusion membrane composed of poly(vinylidenefluoride-co-hexafluoropropylene) and Cyphos IL 101. *Journal of Membrane Science*, **2018**, 545, 57-65	9.6	38
174	Separation of lanthanum(III), gadolinium(III) and ytterbium(III) from sulfuric acid solutions by using a polymer inclusion membrane. *Journal of Membrane Science*, **2018**, 545, 259-265	9.6	42
173	A novel hybrid flow platform for on-line simultaneous dynamic fractionation and evaluation of mercury lability in environmental solids. *Talanta*, **2018**, 178, 622-628	6.2	5
172	Developments of microfluidic paper-based analytical devices (PADs) for water analysis: A review. *Talanta*, **2018**, 177, 176-190	6.2	145
171	A novel polymer inclusion membrane based method for continuous clean-up of thiocyanate from gold mine tailings water. *Journal of Hazardous Materials*, **2018**, 341, 297-303	12.8	17
170	Polymer inclusion membranes as substrates for controlled in-situ gold nanoparticle synthesis. *Reactive and Functional Polymers*, **2018**, 130, 81-89	4.6	3
169	Volatile chemical emissions from fragranced baby products. *Air Quality, Atmosphere and Health*, **2018**, 11, 785-790	5.6	18
168	The Effect of Surface Confined Gold Nanoparticles in Blocking the Extraction of Nitrate by PVC-Based Polymer Inclusion Membranes Containing Aliquat 336 as the Carrier. *Membranes*, **2018**, 8,	3.8	2
167	Determination of salivary cotinine as tobacco smoking biomarker. *TrAC - Trends in Analytical Chemistry*, **2018**, 105, 89-97	14.6	7
166	Volatile chemical emissions from essential oils. *Air Quality, Atmosphere and Health*, **2018**, 11, 949-954	5.6	18
165	Development of a portable 3D-printed flow-through passive sampling device free of flow pattern effects. *Microchemical Journal*, **2018**, 143, 359-366	4.8	12
164	Membrane Techniques: Liquid Membranes **2018**, 1-1		1
163	A novel on-line organic mercury digestion method combined with atomic fluorescence spectrometry for automatic mercury speciation. *Talanta*, **2018**, 189, 220-224	6.2	18
162	A new generation of highly stable and permeable polymer inclusion membranes (PIMs) with their carrier immobilized in a crosslinked semi-interpenetrating polymer network. Application to the transport of thiocyanate. *Journal of Membrane Science*, **2017**, 529, 55-62	9.6	33
161	An automatic flow assembly for on-line dynamic fractionation of trace level concentrations of mercury in environmental solids with high organic load. *Analytica Chimica Acta*, **2017**, 975, 1-10	6.6	8

160	Phytoextraction potential of Manihot esculenta Crantz. (cassava) grown in mercury- and gold-containing biosolids and mine tailings. *Minerals Engineering*, **2017**, 114, 57-63	4.9	11
159	Polymer inclusion membranes (PIMs) in chemical analysis - A review. *Analytica Chimica Acta*, **2017**, 987, 1-14	6.6	90
158	A poly(vinylidene fluoride-co-hexafluoropropylene) (PVDF-HFP)-based polymer inclusion membrane (PIM) containing LIX84I for the extraction and transport of Cu(II) from its ammonium sulfate/ammonia solutions. *Journal of Membrane Science*, **2017**, 542, 272-279	9.6	29
157	Electrospun polystyrene/Aliquat 336 for preconcentration and determination of thiocyanate in flow analysis. *Electrospinning*, **2017**, 1, 100-110		3
156	Fast and Environmentally Friendly Microfluidic Technique for the Fabrication of Polymer Microspheres. *Langmuir*, **2017**, 33, 14691-14698	4	12
155	Determination of trace levels of ammonia in marine waters using a simple environmentally-friendly ammonia (SEA) analyser. *Marine Chemistry*, **2017**, 194, 133-145	3.7	14
154	Improvement of Chromium(VI) Extraction from Acidic Solutions Using a Poly(vinyl chloride)-based Polymer Inclusion Membrane with Aliquat 336 as the Carrier. *Analytical Sciences*, **2017**, 33, 643-646	1.7	9
153	Polymerisation effects in the extraction of Co(II) into polymer inclusion membranes containing Cyanex 272. Structural studies of the Cyanex 272□Co(II) complex. *Journal of Membrane Science*, **2016**, 497, 377-386	9.6	11
152	Candida virulence and ethanol-derived acetaldehyde production in oral cancer and non-cancer subjects. *Oral Diseases*, **2016**, 22, 805-814	3.5	34
151	Separation of cobalt(II) from manganese(II) using a polymer inclusion membrane with N-[N,N-di(2-ethylhexyl)aminocarbonylmethyl]glycine (D2EHAG) as the extractant/carrier. *Journal of Chemical Technology and Biotechnology*, **2016**, 91, 1320-1326	3.5	28
150	Development of a microfluidic paper-based analytical device for the determination of salivary aldehydes. *Analytica Chimica Acta*, **2016**, 919, 47-54	6.6	27
149	Colorimetric detection based on localised surface plasmon resonance of gold nanoparticles: Merits, inherent shortcomings and future prospects. *Talanta*, **2016**, 152, 410-22	6.2	66
148	Determination of salivary cotinine through solid phase extraction using a bead-injection lab-on-valve approach hyphenated to hydrophilic interaction liquid chromatography. *Journal of Chromatography A*, **2016**, 1429, 284-91	4.5	14
147	Development of a polymer inclusion membrane-based passive sampler for monitoring of sulfamethoxazole in natural waters. Minimizing the effect of the flow pattern of the aquatic system. *Microchemical Journal*, **2016**, 124, 175-180	4.8	26
146	A novel approach to Lab-In-Syringe Head-Space Single-Drop Microextraction and on-drop sensing of ammonia. *Analytica Chimica Acta*, **2016**, 934, 132-44	6.6	29
145	Adsorption of carbon dioxide on naturally occurring solid amino acids. *Journal of Environmental Chemical Engineering*, **2016**, 4, 3170-3176	6.8	13
144	Donnan dialysis based separation of gold(III) from electronic waste solutions using an anion exchange pore-filled membrane. *Journal of Membrane Science*, **2016**, 514, 210-216	9.6	27
143	Recovery of gold from aqua regia digested electronic scrap using a poly(vinylidene fluoride-co-hexafluoropropene) (PVDF-HFP) based polymer inclusion membrane (PIM) containing Cyphos□ IL 104. *Journal of Membrane Science*, **2016**, 514, 274-281	9.6	44

142	The use of poly(vinylidenefluoride-co-hexafluoropropylene) for the preparation of polymer inclusion membranes. Application to the extraction of thiocyanate. *Journal of Membrane Science*, **2016**, 510, 481-488	9.6	31
141	Development of a passive sampler based on a polymer inclusion membrane for total ammonia monitoring in freshwaters. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 3213-22	4.4	33
140	Applications of everyday IT and communications devices in modern analytical chemistry: A review. *Talanta*, **2015**, 136, 84-94	6.2	74
139	A microfabricated electroosmotic pump coupled to a gas-diffusion microchip for flow injection analysis of ammonia. *Mikrochimica Acta*, **2015**, 182, 1063-1070	5.8	23
138	A gas-diffusion flow injection method coupled with online solid-liquid extraction for the determination of ammonium in solid samples. *Talanta*, **2015**, 142, 140-4	6.2	16
137	Development of a polymer inclusion membrane (PIM) for the preconcentration of antibiotics in environmental water samples. *Journal of Membrane Science*, **2015**, 492, 32-39	9.6	55
136	Growth of selected plant species in biosolids-amended mine tailings. *Minerals Engineering*, **2015**, 80, 25-32	4.9	20
135	Development of a gas-diffusion microfluidic paper-based analytical device (PAD) for the determination of ammonia in wastewater samples. *Analytical Chemistry*, **2015**, 87, 4621-6	7.8	71
134	Succulent species differ substantially in their tolerance and phytoextraction potential when grown in the presence of Cd, Cr, Cu, Mn, Ni, Pb, and Zn. *Environmental Science and Pollution Research*, **2015**, 22, 18824-38	5.1	9
133	The nature of the salt error in the Sn(II)-reduced molybdenum blue reaction for determination of dissolved reactive phosphorus in saline waters. *Analytica Chimica Acta*, **2015**, 896, 120-7	6.6	6
132	The molybdenum blue reaction for the determination of orthophosphate revisited: Opening the black box. *Analytica Chimica Acta*, **2015**, 890, 60-82	6.6	172
131	The use of on-line UV photoreduction in the flow analysis determination of dissolved reactive phosphate in natural waters. *Talanta*, **2015**, 133, 155-61	6.2	14
130	Extraction of Gold(III) from Hydrochloric Acid Solutions with a PVC-based Polymer Inclusion Membrane (PIM) Containing Cyphos( ) IL 104. *Membranes*, **2015**, 5, 903-14	3.8	24
129	A study of the ammonium ion extraction properties of polymer inclusion membranes containing commercial dinonylnaphthalene sulfonic acid. *Journal of Membrane Science*, **2015**, 478, 155-162	9.6	13
128	A method for coating a polymer inclusion membrane with palladium nanoparticles. *Reactive and Functional Polymers*, **2015**, 97, 30-36	4.6	8
127	Hybrid flow system for automatic dynamic fractionation and speciation of inorganic arsenic in environmental solids. *Environmental Science & Technology*, **2015**, 49, 2733-40	10.3	9
126	A novel low-cost detection method for screening of arsenic in groundwater. *Environmental Science and Pollution Research*, **2014**, 21, 11682-8	5.1	17
125	Development of a passive sampler for Zinc(II) in urban pond waters using a polymer inclusion membrane. *Environmental Pollution*, **2014**, 193, 233-239	9.3	33

124	Microfluidic paper-based analytical device for the determination of nitrite and nitrate. *Analytical Chemistry*, **2014**, 86, 7274-9	7.8	137
123	The use of a polymer inclusion membrane as a sorbent for online preconcentration in the flow injection determination of thiocyanate impurity in ammonium sulfate fertilizer. *Talanta*, **2014**, 129, 560-4	6.2	28
122	Novel molecularly imprinted polymeric microspheres for preconcentration and preservation of polycyclic aromatic hydrocarbons from environmental samples. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 5313-21	4.4	20
121	Analytical challenges and advantages of using flow-based methodologies for ammonia determination in estuarine and marine waters. *TrAC - Trends in Analytical Chemistry*, **2014**, 59, 83-92	14.6	54
120	Evaluation and application of a paper-based device for the determination of reactive phosphate in soil solution. *Journal of Environmental Quality*, **2014**, 43, 1081-5	3.4	26
119	Imaging chemical extraction by polymer inclusion membranes using fluorescence microscopy. *Methods and Applications in Fluorescence*, **2014**, 2, 024008	3.1	1
118	Study of the spatial distribution of mercury in roots of vetiver grass (Chrysopogon zizanioides) by micro-pixe spectrometry. *International Journal of Phytoremediation*, **2014**, 16, 1170-82	3.9	13
117	Vegetation response of Australian native grass species redgrass (Bothriochloa macra (Steudel) S.T. Blake) and spider grass (Enteropogon acicularis (Lindl.) Lazarides) in saline and arsenic contaminated gold mine tailings: A glasshouse study. *Minerals Engineering*, **2014**, 56, 61-69	4.9	14
116	Determination of acetaldehyde in saliva by gas-diffusion flow injection analysis. *Analytica Chimica Acta*, **2013**, 786, 70-7	6.6	13
115	On-line speciation analysis of inorganic arsenic in complex environmental aqueous samples by pervaporation sequential injection analysis. *Talanta*, **2013**, 117, 8-13	6.2	13
114	Online ligand exchange in the determination of weak acid dissociable cyanide by gas diffusion-flow injection analysis. *Microchemical Journal*, **2013**, 111, 103-107	4.8	15
113	Chemical characterisation and speciation of organic selenium in cultivated selenium-enriched Agaricus bisporus. *Food Chemistry*, **2013**, 141, 3681-7	8.5	66
112	Theoretical analysis of the pseudo-second order kinetic model of adsorption. Application to the adsorption of Ag(I) to mesoporous silica microspheres functionalized with thiol groups. *Chemical Engineering Journal*, **2013**, 218, 350-357	14.7	77
111	The use of a polymer inclusion membrane for separation and preconcentration of orthophosphate in flow analysis. *Analytica Chimica Acta*, **2013**, 803, 82-90	6.6	38
110	The use of a polymer inclusion membrane in a paper-based sensor for the selective determination of Cu(II). *Analytica Chimica Acta*, **2013**, 803, 106-12	6.6	54
109	A method for the coating of a polymer inclusion membrane with a monolayer of silver nanoparticles. *Journal of Membrane Science*, **2013**, 428, 142-149	9.6	16
108	Determination of the initial flux of polymer inclusion membranes. *Separation and Purification Technology*, **2013**, 116, 41-45	8.3	17
107	Mathematical modeling of the extraction of uranium(VI) into a polymer inclusion membrane composed of PVC and di-(2-ethylhexyl) phosphoric acid. *Journal of Membrane Science*, **2013**, 425-426, 169-175	9.6	28

106	Transport and separation of uranium(VI) by a polymer inclusion membrane based on di-(2-ethylhexyl) phosphoric acid. *Journal of Membrane Science*, **2012**, 409-410, 242-250	9.6	48
105	A novel approach for enhancing metal ion separation using acoustic nebulisation. *Ultrasonics Sonochemistry*, **2012**, 19, 435-9	8.9	4
104	Polymer Inclusion Membranes: Concept and Applications. *Procedia Engineering*, **2012**, 44, 681-682		4
103	A Novel Membrane Based Approach for the Remote Screening of as in Waters. *Procedia Engineering*, **2012**, 44, 801-803		1
102	A paper-based device for measurement of reactive phosphate in water. *Talanta*, **2012**, 100, 454-60	6.2	58
101	Elemental and metabolite profiling of nickel hyperaccumulators from New Caledonia. *Phytochemistry*, **2012**, 81, 80-9	4	37
100	On-line extractive separation in flow injection analysis based on polymer inclusion membranes: a study on membrane stability and approaches for improving membrane permeability. *Talanta*, **2012**, 97, 382-7	6.2	21
99	Recent trends in extraction and transport of metal ions using polymer inclusion membranes (PIMs). *Journal of Membrane Science*, **2012**, 415-416, 9-23	9.6	204
98	Stability studies of poly(vinyl chloride)-based polymer inclusion membranes containing Aliquat 336 as a carrier. *Separation and Purification Technology*, **2012**, 101, 69-75	8.3	35
97	More with less: Advances in flow and paper-based monitoring of nutrients in aquatic systems. *Pure and Applied Chemistry*, **2012**, 84, 1973-1982	2.1	5
96	The use of a polymer inclusion membrane in flow injection analysis for the on-line separation and determination of zinc. *Talanta*, **2011**, 84, 1278-83	6.2	23
95	Solid-phase extraction of cobalt(II) from lithium chloride solutions using a poly(vinyl chloride)-based polymer inclusion membrane with Aliquat 336 as the carrier. *Analytical Sciences*, **2011**, 27, 653-7	1.7	20
94	Development and characterization of polymer inclusion membranes for the separation and speciation of inorganic As species. *Journal of Membrane Science*, **2011**, 383, 88-95	9.6	47
93	Initial loss of cyanide, thiocyanate, and thiosulfate adjuvants following amendment to an oxidic gold ore. *Minerals Engineering*, **2011**, 24, 1641-1643	4.9	4
92	Chelate-assisted phytoextraction of mercury in biosolids. *Science of the Total Environment*, **2011**, 409, 2685-92	10.2	22
91	A polymer inclusion membrane for extracting thiocyanate from weakly alkaline solutions. *Journal of Membrane Science*, **2011**, 367, 85-90	9.6	37
90	Gold, an alternative to platinum group metals in automobile catalytic converters. *Gold Bulletin*, **2011**, 44, 145-153	1.6	35
89	The preparation of a gold nanoparticle monolayer on the surface of a polymer inclusion membrane using EDTA as the reducing agent. *Journal of Membrane Science*, **2011**, 379, 322-329	9.6	21

88	Micrometer-Scale 2D Mapping of the Composition and Homogeneity of Polymer Inclusion Membranes. *Australian Journal of Chemistry*, **2011**, 64, 930	1.2	13
87	Mathematical modeling of a Nafion membrane based optode incorporating 1-(2Ưpyridylazo)-2-naphthol under flow injection conditions. *Talanta*, **2010**, 82, 1156-63	6.2	5
86	Assessment of the pollution potential of mercury contaminated biosolids. *Environmental Chemistry*, **2010**, 7, 146	3.2	8
85	The effect of the counter anion on the transport of thiourea in a PVC-based polymer inclusion membrane using Capriquat as carrier. *Journal of Membrane Science*, **2010**, 346, 250-255	9.6	24
84	Extraction of uranium(VI) from sulfate solutions using a polymer inclusion membrane containing di-(2-ethylhexyl) phosphoric acid. *Journal of Membrane Science*, **2010**, 364, 354-361	9.6	88
83	Solubilization of heavy metals from gold ore by adjuvants used during gold phytomining. *Minerals Engineering*, **2010**, 23, 819-822	4.9	15
82	Antioxidative response of Atriplex codonocarpa to mercury. *Environmental and Experimental Botany*, **2010**, 69, 9-16	5.9	33
81	Phytotoxicity of biosolids and screening of selected plant species with potential for mercury phytoextraction. *Journal of Hazardous Materials*, **2010**, 173, 494-501	12.8	36
80	The use of sonication to increase extraction rate in polymer inclusion membranes. An application to the extraction of gold(III). *Journal of Membrane Science*, **2010**, 365, 242-247	9.6	31
79	DEVELOPMENT OF FLOW INJECTION METHOD FOR ONLINE DETERMINATION OF THIOCYANATE BASED ON OXIDATION BY PERMANGANATE. *Indonesian Journal of Chemistry*, **2010**, 10, 167-171	1.5	4
78	Influence of the composition of polymer inclusion membranes on their homogeneity and flexibility. *Desalination*, **2009**, 236, 327-333	10.3	66
77	Determination of arsenic in industrial samples by pervaporation flow injection with amperometric detection. *Analytica Chimica Acta*, **2009**, 652, 266-71	6.6	10
76	Solid phase extraction of zinc(II) using a PVC-based polymer inclusion membrane with di(2-ethylhexyl)phosphoric acid (D2EHPA) as the carrier. *Talanta*, **2009**, 78, 795-9	6.2	68
75	Highly sensitive gas-diffusion sequential injection analysis based on flow manipulation. *Talanta*, **2009**, 79, 1021-5	6.2	17
74	Theoretical Basis of Flow Injection Analysis. *Comprehensive Analytical Chemistry*, **2008**, 47-79	1.9	10
73	Comparative study of hotplate wet digestion methods for the determination of mercury in biosolids. *Chemosphere*, **2008**, 72, 1420-1424	8.4	33
72	Transport of ferrocyanide by two eucalypt species and sorghum. *International Journal of Phytoremediation*, **2008**, 10, 343-57	3.9	46
71	LC-MS and GC-MS metabolite profiling of nickel(II) complexes in the latex of the nickel-hyperaccumulating tree Sebertia acuminata and identification of methylated aldaric acid as a new nickel(II) ligand. *Phytochemistry*, **2008**, 69, 240-51	4	41

70	Sensitivity enhancement in membrane separation flow injection analysis by ultrasound. *Ultrasonics Sonochemistry*, **2008**, 15, 151-6	8.9	13
69	Gas-diffusion flow injection determination of Hg(II) with chemiluminescence detection. *Analytica Chimica Acta*, **2007**, 582, 103-8	6.6	9
68	Sensitive and ultra-fast determination of arsenic(III) by gas-diffusion flow injection analysis with chemiluminescence detection. *Analytica Chimica Acta*, **2007**, 583, 72-7	6.6	28
67	Relationships of nicotianamine and other amino acids with nickel, zinc and iron in Thlaspi hyperaccumulators. *New Phytologist*, **2007**, 176, 836-848	9.8	73
66	A screen of some native Australian flora and exotic agricultural species for their potential application in cyanide-induced phytoextraction of gold. *Minerals Engineering*, **2007**, 20, 1327-1330	4.9	24
65	Separation of cobalt(II) from nickel(II) by solid-phase extraction into Aliquat 336 chloride immobilized in poly(vinyl chloride). *Talanta*, **2007**, 71, 419-23	6.2	40
64	Thin layer distillation for matrix isolation in flow analysis. *Talanta*, **2007**, 72, 741-6	6.2	24
63	Adsorption of mercury(II) from hydrochloric acid solutions on glycidylmethacrylate–divinylbenzene microspheres containing amino groups. *Reactive and Functional Polymers*, **2006**, 66, 1158-1164	4.6	36
62	Extraction and transport of metal ions and small organic compounds using polymer inclusion membranes (PIMs). *Journal of Membrane Science*, **2006**, 281, 7-41	9.6	395
61	Metal ion ligands in hyperaccumulating plants. *Journal of Biological Inorganic Chemistry*, **2006**, 11, 2-12	3.7	248
60	Determination of mercury(II) at trace levels by gas-diffusion flow injection analysis with amperometric detection. *Analytica Chimica Acta*, **2005**, 539, 203-207	6.6	11
59	A sensitive procedure for the rapid determination of arsenic(III) by flow injection analysis and chemiluminescence detection. *Analytica Chimica Acta*, **2005**, 554, 25-30	6.6	22
58	Determination of arsenic by pervaporation-flow injection hydride generation and permanganate spectrophotometric detection. *Analytica Chimica Acta*, **2004**, 510, 225-230	6.6	22
57	Determination of carbon dioxide in gaseous samples by gas diffusion-flow injection. *Talanta*, **2004**, 62, 631-6	6.2	23
56	On-line determination of mercury(II) by membrane separation flow injection analysis. *Talanta*, **2004**, 63, 1069-75	6.2	14
55	Pervaporation-flow injection analysis of phenol after on-line derivatisation to phenyl acetate. *Analytica Chimica Acta*, **2003**, 485, 37-42	6.6	6
54	Coupled Diffusion of Multiple Ionic Species in Ion-Exchange Membranes with Fixed Ionic Groups. *Separation Science and Technology*, **2003**, 38, 237-245	2.5	3
53	Determination of ammonia in beers by pervaporation flow injection analysis and spectrophotometric detection. *Talanta*, **2003**, 60, 1269-75	6.2	18

52	A highly versatile stable optical sensor based on 4-decyloxy-2-(2-pyridylazo)-1-naphthol in Nafion for the determination of copper. *Sensors and Actuators B: Chemical*, **2002**, 85, 33-41	8.5	30
51	Pervaporation-flow injection determination of arsenic based on hydride generation and the molybdenum blue reaction. *Analytica Chimica Acta*, **2001**, 445, 229-238	6.6	29
50	Determination of Henryâ s law constants of phenols by pervaporation-flow injection analysis. *Environmental Science & Technology*, **2001**, 35, 178-81	10.3	10
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