

Bhekis B Mamba

List of Publications by Year in descending order

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374
papers

11,873
citations

38738
50
h-index

48312
88
g-index

375
all docs

375
docs citations

375
times ranked

13657
citing authors

#	ARTICLE	IF	CITATIONS
1	Metagenomic insights into taxonomic diversity and metabolic potential of bacterial communities associated with tannery waste-contaminated soils. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 2409-2424.	3.5	5
2	Fouling, performance and cost analysis of membrane-based water desalination technologies: A critical review. <i>Journal of Environmental Management</i> , 2022, 301, 113922.	7.8	71
3	Toxicity evaluation of TiO ₂ /MWCNT-CNF hybrid nanocomposites with enhanced photocatalytic activity toward freshwater microalgae: <i>Pseudokirchneriella subcapitata</i> . <i>Chemosphere</i> , 2022, 291, 132891.	8.2	7
4	The synergistic effect of peracetic acid activated by graphene oxide quantum dots in the inactivation of <i>E. coli</i> and organic dye removal with LED reactor light. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2022, 57, 268-281.	1.7	4
5	Methyl orange degradation enhanced by hydrogen spillover onto platinum nanocatalyst surface. <i>Applied Organometallic Chemistry</i> , 2021, 35, .	3.5	8
6	Unraveling bacterial diversity in oil refinery effluents. <i>Archives of Microbiology</i> , 2021, 203, 1231-1240.	2.2	2
7	Synthesis of Bi ₅ O ₇ I-MoO ₃ photocatalyst via simultaneous calcination of BiOI and MoS ₂ for visible light degradation of ibuprofen. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 126004.	4.7	38
8	Fine-tuning the architecture of loose nanofiltration membrane for improved water flux, dye rejection and dye/salt selective separation. <i>Journal of Membrane Science</i> , 2021, 621, 118930.	8.2	32
9	Promoting effect of PdZn alloy for selective hydrogenation of 5-hydroxymethylfurfural: An experimental and density functional theory study. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26545.	2.0	3
10	Cobalt ferrite nanoparticles and nanocomposites: Photocatalytic, antimicrobial activity and toxicity in water treatment. <i>Materials Science in Semiconductor Processing</i> , 2021, 123, 105523.	4.0	87
11	Azole antifungal resistance in fungal isolates from wastewater treatment plant effluents. <i>Environmental Science and Pollution Research</i> , 2021, 28, 3217-3229.	5.3	10
12	Microwave-assisted synthesis of titania/amorphous carbon nanotubes/amorphous nitrogen-doped carbon nanotubes nanohybrids for photocatalytic degradation of textile wastewater. <i>RSC Advances</i> , 2021, 11, 6748-6763.	3.6	8
13	Electrochemical Detection of Environmental Pollutants Based on Graphene Derivatives: A Review. <i>Frontiers in Materials</i> , 2021, 7, .	2.4	38
14	Electrochemical Detection of Endosulfan Using an AONP-PANI-SWCNT Modified Glassy Carbon Electrode. <i>Materials</i> , 2021, 14, 723.	2.9	22
15	Titania containing natural clay doped with carbon nanotubes for enhanced natural photocatalytic discoloration of wastewater. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	1.9	5
16	Mechanistic aspects for the enhanced adsorption of bromophenol blue and atrazine over cyclodextrin modified polyacrylonitrile nanofiber membranes. <i>Chemical Engineering Research and Design</i> , 2021, 169, 19-32.	5.6	37
17	Nitrogen-doped carbon dots as high-effective inhibitors for carbon steel in acidic medium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 616, 126280.	4.7	39
18	Viral Communities Distribution and Diversity in a Wastewater Treatment Plants Using High-throughput Sequencing Analysis. <i>Polish Journal of Environmental Studies</i> , 2021, 30, 3189-3201.	1.2	1

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19	Bimetallic Au@Pd nanodendrite system incorporating multimodal intracellular imaging for improved doxorubicin antitumor efficiency. <i>International Journal of Pharmaceutics</i> , 2021, 602, 120661.	5.2	8
20	Conductive Nanodiamond-Based Detection of Neurotransmitters: One Decade, Few Sensors. <i>ACS Omega</i> , 2021, 6, 18548-18558.	3.5	6
21	A facile approach for the preparation of NiONPs@MnO ₂ NRs nanocomposite material and its photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	1.9	13
22	Selective separation of dye and salt by PES/SPSf tight ultrafiltration membrane: Roles of size sieving and charge effect. <i>Separation and Purification Technology</i> , 2021, 266, 118587.	7.9	50
23	Photocatalytic Nanofiber Membranes for the Degradation of Micropollutants and Their Antimicrobial Activity: Recent Advances and Future Prospects. <i>Membranes</i> , 2021, 11, 678.	3.0	23
24	In situ generated silver nanoparticles embedded in polyethersulfone nanostructured membranes (Ag/PES) for antimicrobial decontamination of water. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3185-3195.	3.2	5
25	Ag ₂ Bi ₅ Perovskite Quantum Dots Passivated with Oleylamine Sulfide for Solar Cells and Detection of Cu(II) Ions. <i>ACS Applied Nano Materials</i> , 2021, 4, 9895-9903.	5.0	7
26	Sustainable Hydrothermal and Solvothermal Synthesis of Advanced Carbon Materials in Multidimensional Applications: A Review. <i>Materials</i> , 2021, 14, 5094.	2.9	31
27	A review on water treatment technologies for the management of oxoanions: prospects and challenges. <i>Environmental Science and Pollution Research</i> , 2021, 28, 61979-61997.	5.3	11
28	Nuclear targeted multimodal 3D-bimetallic Au@Pd nanodendrites promote doxorubicin efficiency in breast cancer therapy. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103344.	4.9	6
29	Synthesis of single-phase superparamagnetic copper ferrite nanoparticles using an optimized coprecipitation method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 272, 115368.	3.5	24
30	The Py GC-TOF-MS analysis and characterization of microplastics (MPs) in a wastewater treatment plant in Gauteng Province, South Africa. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112478.	6.0	13
31	The applications of graphene oxide quantum dots in the removal of emerging pollutants in water: An overview. <i>Journal of Water Process Engineering</i> , 2021, 43, 102249.	5.6	26
32	Charcoal ash leachate and its sparingly soluble residue for acid mine drainage treatment: Waste for pollution remediation and dual resource recovery. <i>Journal of Cleaner Production</i> , 2021, 320, 128717.	9.3	7
33	Recent advances in degradation of pharmaceuticals using Bi ₂ WO ₆ mediated photocatalysis – A comprehensive review. <i>Environmental Pollution</i> , 2021, 289, 117891.	7.5	77
34	Physico-chemical dynamics of protein corona formation on 3D-bimetallic Au@Pd nanodendrites and its implications on biocompatibility. <i>Journal of Molecular Liquids</i> , 2021, 341, 117329.	4.9	4
35	Fabrication of a La-doped BiVO ₄ @CN step-scheme heterojunction for effective tetracycline degradation with dual-enhanced molecular oxygen activation. <i>Separation and Purification Technology</i> , 2021, 277, 119224.	7.9	31
36	Cobalt oxide/copper bismuth oxide/samarium vanadate (Co ₃ O ₄ /CuBi ₂ O ₄ /SmVO ₄) dual Z-scheme heterostructured photocatalyst with high charge-transfer efficiency: Enhanced carbamazepine degradation under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 666-684.	9.4	61

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37	Interdependence of Contributing Factors Governing Dead-End Fouling of Nanofiltration Membranes. Membranes, 2021, 11, 47.	3.0	9
38	Covalent immobilization of laccase on Fe ₃ O ₄ @graphene oxide nanocomposite for biodegradation of phenolic compounds. Environmental Protection Engineering, 2021, 47, .	0.1	3
39	Antifungal azoles and azole resistance in the environment: current status and future perspectives—a review. Reviews in Environmental Science and Biotechnology, 2021, 20, 1011-1041.	8.1	11
40	Multi-dimensional applications of graphitic carbon nitride nanomaterials — A review. Journal of Molecular Liquids, 2021, 344, 117820.	4.9	46
41	ISOLATION OF TALAROMYCES FLAVUS FROM ROODEPLAAT DAM AND SCREENING OF ITS SECONDARY METABOLITES IN ARTIFICIAL MEDIA. Applied Ecology and Environmental Research, 2021, 19, 3505-3518.	0.5	0
42	Catalytic hydrodehalogenation of halogenated disinfection byproducts for clean drinking water production: A review. Journal of Water Process Engineering, 2021, 44, 102402.	5.6	6
43	Data on physicochemical properties of natural clay and natural clay/multiwalled carbon nanotubes composite materials for various applications possibilities. Data in Brief, 2021, 39, 107682.	1.0	2
44	Occurrence and spatial distribution of statins, fibrates and their metabolites in aquatic environments. Arabian Journal of Chemistry, 2020, 13, 4358-4373.	4.9	33
45	Acid Mine Drainage as Habitats for Distinct Microbiomes: Current Knowledge in the Era of Molecular and Omic Technologies. Current Microbiology, 2020, 77, 657-674.	2.2	17
46	Heavy Metal Speciation, Microbial Study and Physicochemical Properties of Some Groundwaters: A Case Study. Chemistry Africa, 2020, 3, 211-226.	2.4	5
47	Relating the performance of sulfonated thin-film composite nanofiltration membranes to structural properties of macrovoid-free polyethersulfone/sulfonated polysulfone/O-MWCNT supports. Desalination, 2020, 474, 114176.	8.2	42
48	Spinel ferrite nanoparticles and nanocomposites for biomedical applications and their toxicity. Materials Science and Engineering C, 2020, 107, 110314.	7.3	155
49	Hollow β -Bi ₂ O ₃ @CeO ₂ heterostructure microsphere with controllable crystal phase for efficient photocatalysis. Chemical Engineering Journal, 2020, 387, 124100.	12.7	92
50	Poly (propylene imine) dendrimer: A potential nanomaterial for electrochemical application. Materials Chemistry and Physics, 2020, 244, 122641.	4.0	40
51	The occurrence and exposure risk assessment of psychoactive drug residues and metabolites in aquatic environment. Journal of Pharmaceutical and Biomedical Analysis, 2020, 178, 112944.	2.8	9
52	Distribution profile of titanium dioxide nanoparticles in South African aquatic systems. Water Science and Technology: Water Supply, 2020, 20, 516-528.	2.1	5
53	Photocatalytic application of spinel ferrite nanoparticles and nanocomposites in wastewater treatment: Review. Sustainable Materials and Technologies, 2020, 23, e00140.	3.3	121
54	Contemporary issues on the occurrence and removal of disinfection byproducts in drinking water - A review. Journal of Environmental Chemical Engineering, 2020, 8, 103659.	6.7	76

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55	Evaluation of charcoal ash nanoparticles pollutant removal capacity from acid mine drainage rich in iron and sulfate. <i>Journal of Cleaner Production</i> , 2020, 251, 119720.	9.3	24
56	Occurrence and risk assessment of azole antifungal drugs in water and wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2020, 187, 109868.	6.0	49
57	Graphitic Carbon Nitride: A Highly Electroactive Nanomaterial for Environmental and Clinical Sensing. <i>Sensors</i> , 2020, 20, 5743.	3.8	60
58	Construction of hierarchical BiPW ₁₂ O ₄₀ /BiOI p-n heterojunction with enhanced visible light activity for degradation of endocrine disrupting Bisphenol A. <i>Separation and Purification Technology</i> , 2020, 253, 117349.	7.9	53
59	Hydrothermal carbon-supported Ni catalysts for selective hydrogenation of 5-hydroxymethylfurfural toward tunable products. <i>Journal of Materials Science</i> , 2020, 55, 14179-14196.	3.7	22
60	Quantification of biodegradable natural organic matter (NOM) fractions and its impact on bacterial regrowth in a South African Water Treatment Plant. <i>Journal of Water Process Engineering</i> , 2020, 36, 101332.	5.6	10
61	Geochemical and Physicochemical Characteristics of Clay Materials from Congo with Photocatalytic Activity on 4-Nitrophenol in Aqueous Solutions. <i>ACS Omega</i> , 2020, 5, 29943-29954.	3.5	5
62	Carbon-Based Quantum Dots for Electrochemical Detection of Monoamine Neurotransmitters—Review. <i>Biosensors</i> , 2020, 10, 162.	4.7	22
63	Corrigendum to “Sulfur/Gadolinium-Codoped TiO ₂ Nanoparticles for Enhanced Visible-Light Photocatalytic Performance” <i>Journal of Nanomaterials</i> , 2020, 2020, 1-1.	2.7	0
64	A critical review of selected membrane- and powder-based adsorbents for water treatment: Sustainability and effectiveness. <i>Journal of Cleaner Production</i> , 2020, 277, 123497.	9.3	36
65	A unique method for dopamine-cross-linked graphene nanoplatelets within polyethersulfone membranes (GNP-pDA/PES) for enhanced mechanochemical resistance during NF and RO desalination. <i>European Polymer Journal</i> , 2020, 136, 109889.	5.4	16
66	A comparison of the influence of synthesis methods on the photocatalytic activity of nitrogen doped titania-carbon nanotube nanohybrids. <i>Applied Catalysis A: General</i> , 2020, 604, 117776.	4.3	3
67	Novel hybrid metal loaded chelating resins for removal of toxic metals from acid mine drainage. <i>Water Science and Technology</i> , 2020, 81, 2568-2584.	2.5	3
68	Nickel Selenide Quantum Dot Applications in Electrocatalysis and Sensors. <i>Electroanalysis</i> , 2020, 32, 2603-2614.	2.9	6
69	Stable Lead-Free Silver Bismuth Iodide Perovskite Quantum Dots for UV Photodetection. <i>ACS Applied Nano Materials</i> , 2020, 3, 9141-9150.	5.0	34
70	A New Method for a Polyethersulfone-Based Dopamine-Graphene (xGNP-DA/PES) Nanocomposite Membrane in Low/Ultra-Low Pressure Reverse Osmosis (L/ULPRO) Desalination. <i>Membranes</i> , 2020, 10, 439.	3.0	7
71	Therapeutic nanodendrites: current applications and prospects. <i>Nanoscale Advances</i> , 2020, 2, 5152-5165.	4.6	15
72	Amorphous carbon nanotube residue modification of solgel-synthesized C-, N-doped TiO ₂ for photocatalytic applications. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	1

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73	Ultrathin NiFeS Nanomeshes with Sulfur Vacancy for Electrocatalytic Hydrogen Evolution. ChemElectroChem, 2020, 7, 2199-2204.	3.4	5
74	Ferricyanide reduction to elucidate kinetic and electrochemical activities on the metal nanocatalysts surface. Chemical Engineering Journal, 2020, 398, 125623.	12.7	6
75	One-step hydrothermal fabrication of SrMoO ₄ /MoS ₂ composites with strong interfacial contacts for efficient photoreduction removal of Cr(VI). CrystEngComm, 2020, 22, 4489-4499.	2.6	13
76	Laccase Immobilized Fe ₃ O ₄ -Graphene Oxide Nanobiocatalyst Improves Stability and Immobilization Efficiency in the Green Preparation of Sulfa Drugs. Catalysts, 2020, 10, 459.	3.5	19
77	Preparation of carbon-coated brookite@anatase TiO ₂ heterophase junction nanocables with enhanced photocatalytic performance. Photochemical and Photobiological Sciences, 2020, 19, 966-975.	2.9	3
78	The status and quantification of de facto water reuse in South Africa – a review. Water Practice and Technology, 2020, 15, 225-247.	2.0	2
79	Trace samarium doped graphitic carbon nitride photocatalytic activity toward metanil yellow dye degradation under visible light irradiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 602, 125107.	4.7	22
80	Determination of humic acid (HA) and sodium alginate in water using Fe ₂ O ₃ and CuO nanoparticle-modified glassy carbon electrode. International Journal of Environmental Analytical Chemistry, 2020, , 1-21.	3.3	4
81	Plasmonic Ag ₃ PO ₄ /EG photoanode for visible light-driven photoelectrocatalytic degradation of diuretic drug. Chemical Engineering Journal, 2020, 393, 124804.	12.7	43
82	Effect of multivalent cations on membrane-foulant and foulant-foulant interactions controlling fouling of nanofiltration membranes. Polymers for Advanced Technologies, 2020, 31, 2588-2600.	3.2	11
83	Catalytic degradation of hemozoin (malaria biomarker) using some selected metal oxide nanoparticles. Materials Research Express, 2020, 7, 015044.	1.6	2
84	The role and influence of hydrogeochemistry in the behaviour and fate of silver nanoparticles in freshwater systems. SN Applied Sciences, 2020, 2, 1.	2.9	4
85	Photoelectrocatalytic evaluation of EG-CeO ₂ photoanode on degradation of 2,4-dichlorophenol. Solar Energy Materials and Solar Cells, 2020, 208, 110416.	6.2	31
86	Impact of zinc oxide nanoparticles in aqueous environments: influence of concentrations, natural organic matter and ionic strength. Inorganic and Nano-Metal Chemistry, 2020, 50, 680-692.	1.6	8
87	Gold nanoparticles modified exfoliated graphite electrode as electrochemical sensor in the determination of psychoactive drug. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2020, 55, 455-461.	1.5	7
88	Morphological Influence of TiO ₂ Nanostructures on Charge Transfer and Tetracycline Degradation Under LED Light. ChemistrySelect, 2020, 5, 1037-1040.	1.5	4
89	The stimuli-responsive properties of doxorubicin adsorbed onto bimetallic Au@Pd nanodendrites and its potential application as drug delivery platform. Materials Science and Engineering C, 2020, 110, 110696.	7.3	26
90	Doxorubicin conjugated hydrophilic AuPt bimetallic nanoparticles fabricated from Phragmites australis: Characterization and cytotoxic activity against human cancer cells. Journal of Drug Delivery Science and Technology, 2020, 57, 101749.	3.0	21

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91	Insight into l-cysteine-assisted growth of Cu ₂ S nanoparticles on exfoliated MoS ₂ nanosheets for effective photoreduction removal of Cr(VI). <i>Applied Surface Science</i> , 2020, 518, 146191.	6.1	25
92	Shape-dependant photocatalytic and antimicrobial activity of ZnO nanostructures when conjugated to graphene quantum dots. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103930.	6.7	20
93	Fabrication of palladium and platinum nanocatalysts stabilized by polyvinylpyrrolidone and their use in the hydrogenolysis of methyl orange. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 129, 991-1005.	1.7	3
94	Characterization of plastic micro particles in the Atlantic Ocean seashore of Cape Town, South Africa and mass spectrometry analysis of pyrolyzate products. <i>Environmental Pollution</i> , 2020, 265, 114859.	7.5	27
95	Constructing defect-rich V ₂ O ₅ nanorods in catalytic membrane electrode for highly efficient oxidation of cyclohexane. <i>Journal of Catalysis</i> , 2020, 387, 154-162.	6.2	27
96	Tailoring TiO ₂ through N doping and incorporation of amorphous carbon nanotubes via a microwave-assisted hydrothermal method. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104082.	6.7	17
97	Curbed of molybdenum oxido-diperoxido complex on ionic liquid body of mesoporous Bipy-PMO-IL as a promising catalyst for selective sulfide oxidation. <i>Journal of Molecular Liquids</i> , 2020, 312, 113388.	4.9	23
98	Inhibition effect of monomeric/polymerized imidazole zwitterions as corrosion inhibitors for carbon steel in acid medium. <i>Journal of Molecular Liquids</i> , 2020, 312, 113436.	4.9	29
99	Monitoring the characteristics and removal of natural organic matter fractions in selected South African water treatment plants. <i>Water Practice and Technology</i> , 2020, 15, 932-946.	2.0	2
100	Investigating the fate of natural organic matter at a drinking water treatment plant in South Africa using optical spectroscopy and chemometric analysis. <i>Water S A</i> , 2020, 46, .	0.4	2
101	Photodegradation of humic acid in aqueous solution using a TiO ₂ -carbonaceous hyper-cross-linked polystyrene polymer nanocomposite. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 1603-1612.	3.5	6
102	Fluoride removal studies using virgin and Ti (IV)-modified <i>Musa paradisiaca</i> (plantain pseudo-stem) carbons. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11565-11578.	5.3	8
103	Adsorption of phenolic compounds by polyacrylonitrile nanofibre membranes: A pretreatment for the removal of hydrophobic bearing compounds from water. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103254.	6.7	27
104	Target quantification of azole antifungals and retrospective screening of other emerging pollutants in wastewater effluent using UHPLC-MS. <i>Environmental Pollution</i> , 2019, 253, 655-666.	7.5	34
105	Visible Light Driven ZnMoO ₄ /BiFeWO ₆ /rGO Z-Scheme Photocatalyst for the Degradation of Anthraquinonic Dye. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20605-20616.	3.1	69
106	Dual-functional ultrafiltration nano-enabled PSf/PVA membrane for the removal of Congo red dye. <i>Journal of Water Process Engineering</i> , 2019, 31, 100878.	5.6	45
107	Polymeric ion exchanger supported ferric oxide nanoparticles as adsorbents for toxic metal ions from aqueous solutions and acid mine drainage. <i>Journal of Environmental Health Science & Engineering</i> , 2019, 17, 719-730.	3.0	14
108	Fouling-resistant PVDF nanofibre membranes for the desalination of brackish water in membrane distillation. <i>Separation and Purification Technology</i> , 2019, 228, 115793.	7.9	50

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109	Comparative Study of Dendrimer-Templated Nitrogen-Platinum Co-Doped TiO ₂ for the Photocatalytic Degradation of Azo Dyes in Contaminated Water. <i>ChemistrySelect</i> , 2019, 4, 12156-12163.	1.5	8
110	Profiling Bacterial Diversity and Potential Pathogens in Wastewater Treatment Plants Using High-Throughput Sequencing Analysis. <i>Microorganisms</i> , 2019, 7, 506.	3.6	49
111	Diversity and functional profile of bacterial communities at Lancaster acid mine drainage dam, South Africa as revealed by 16S rRNA gene high-throughput sequencing analysis. <i>Extremophiles</i> , 2019, 23, 719-734.	2.3	30
112	Diversity, Co-occurrence and Implications of Fungal Communities in Wastewater Treatment Plants. <i>Scientific Reports</i> , 2019, 9, 14056.	3.3	70
113	Visible light active CdS@TiO ₂ core-shell nanostructures for the photodegradation of chlorophenols. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 374, 75-83.	3.9	39
114	Recent advances in copper ferrite nanoparticles and nanocomposites synthesis, magnetic properties and application in water treatment: Review. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103179.	6.7	166
115	Superhydrophobic PVDF nanofibre membranes coated with an organic fouling resistant hydrophilic active layer for direct-contact membrane distillation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 575, 363-372.	4.7	44
116	An efficient and stable narrow bandgap carbon dot-brookite composite over other CD-TiO ₂ polymorphs in rhodamine B degradation under LED light. <i>Ceramics International</i> , 2019, 45, 14173-14181.	4.8	17
117	The properties and removal efficacies of natural organic matter fractions by South African drinking water treatment plants. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103101.	6.7	17
118	The occurrence of natural organic matter in South African water treatment plants. <i>Journal of Water Process Engineering</i> , 2019, 31, 100809.	5.6	9
119	Photoelectrocatalytic degradation of sulfamethoxazole on g-C ₃ N ₄ /BiOI/EG p-n heterojunction photoanode under visible light irradiation. <i>Applied Surface Science</i> , 2019, 483, 506-520.	6.1	90
120	Calibration and field application of a molecularly imprinted membrane-passive sampler for the sampling of indicator polychlorinated biphenyls in selected aquatic environments of South Africa. <i>Water Science and Technology</i> , 2019, 79, 808-819.	2.5	4
121	Quantitative analysis of phenols and PAHs in the Nandoni Dam in Limpopo Province, South Africa: A preliminary study for dam water quality management. <i>Physics and Chemistry of the Earth</i> , 2019, 112, 228-236.	2.9	21
122	Green synthesis of silver nanoparticles using one-pot and microwave-assisted methods and their subsequent embedment on PVDF nanofibre membranes for growth inhibition of mesophilic and thermophilic bacteria. <i>New Journal of Chemistry</i> , 2019, 43, 4168-4180.	2.8	33
123	Development of Electrochemical Nanosensor for the Detection of Malaria Parasite in Clinical Samples. <i>Frontiers in Chemistry</i> , 2019, 7, 89.	3.6	29
124	A review of nanoparticle-enhanced membrane distillation membranes: membrane synthesis and applications in water treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2757-2771.	3.2	104
125	Acid mine drainage pollution remediation using hybrid chelating ion-exchange/HZrO ₂ nanocomposite adsorbents. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	6
126	Fundamental fouling mechanisms of dissolved organic matter fractions and their implications on the surface modifications of ceramic nanofiltration membranes: insights from a laboratory scale application. <i>Water Science and Technology</i> , 2019, 80, 1702-1714.	2.5	6

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127	The role of nanoparticles in the performance of nano-enabled composite membranes – A critical scientific perspective. <i>Science of the Total Environment</i> , 2019, 656, 723-731.	8.0	45
128	Critical review of montmorillonite/polymer mixed-matrix filtration membranes: Possibilities and challenges. <i>Applied Clay Science</i> , 2019, 168, 21-30.	5.2	50
129	Assessment of trihalomethane (THM) precursors using specific ultraviolet absorbance (SUVA) and molecular size distribution (MSD). <i>Journal of Water Process Engineering</i> , 2019, 27, 143-151.	5.6	30
130	Congo red dye removal by direct membrane distillation using PVDF/PTFE membrane. <i>Separation and Purification Technology</i> , 2019, 211, 578-586.	7.9	75
131	Water recovery from hydrolysed human urine samples via direct contact membrane distillation using PVDF/PTFE membrane. <i>Separation and Purification Technology</i> , 2019, 211, 610-617.	7.9	57
132	Polyethersulfone/ <i>Chromolaena odorata</i> (PES/CO) adsorptive membranes for removal of Congo red from water. <i>Journal of Water Process Engineering</i> , 2019, 30, 100498.	5.6	17
133	Synthesis and application of hematite nanoparticles for acid mine drainage treatment. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1865-1874.	6.7	60
134	PAMAM templated N,Pt co-doped TiO ₂ for visible light photodegradation of brilliant black. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15146-15158.	5.3	11
135	Forward osmosis membrane performance during simulated wastewater reclamation: Fouling mechanisms and fouling layer properties. <i>Journal of Water Process Engineering</i> , 2018, 23, 109-118.	5.6	27
136	Polysulfone/N,Pd co-doped TiO ₂ composite membranes for photocatalytic dye degradation. <i>Separation and Purification Technology</i> , 2018, 191, 122-133.	7.9	111
137	Removal of lead (II) from aqueous waste using (CD-PCL-TiO ₂) bio-nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 136-142.	7.5	34
138	Abatement of humic acid from aqueous solution using a carbonaceous conjugated microporous polymer derived from waste polystyrene. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3291-3300.	5.3	5
139	Fe ₃ O ₄ -cyclodextrin-Chitosan Bionanocomposite for Arsenic Removal from Aqueous Solution. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 467-480.	3.7	25
140	Review: Natural organic matter in aquatic systems – a South African perspective. <i>Water S A</i> , 2018, 44, .	0.4	7
141	Comparison of natural organic matter removal by ultrafiltration, granular activated carbon filtration and full scale conventional water treatment. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6282-6289.	6.7	32
142	Who are the male partners of adolescent girls and young women in Swaziland? Analysis of survey data from community venues across 19 DREAMS districts. <i>PLoS ONE</i> , 2018, 13, e0203208.	2.5	17
143	Macrovoid-free PES/SPSf/O-MWCNT ultrafiltration membranes with improved mechanical strength, antifouling and antibacterial properties. <i>Journal of Membrane Science</i> , 2018, 566, 288-300.	8.2	76
144	Application of silica and germanium dioxide nanoparticles/ polyethersulfone blend membranes for removal of emerging micropollutants from water. <i>Physics and Chemistry of the Earth</i> , 2018, 108, 28-47.	2.9	25

#	ARTICLE	IF	CITATIONS
145	Removal of dissolved organic matter from raw water using zero valent iron -carbonaceous conjugated microporous polymer nanocomposites. <i>Physics and Chemistry of the Earth</i> , 2018, 107, 38-44.	2.9	7
146	The effect of synthetic routes on the physicochemical properties and optical response of N-doped titaniaâ€oxidized carbon nanotube nanohybrids. <i>Materials Today Chemistry</i> , 2018, 10, 1-18.	3.5	12
147	Cyclodextrin polyurethanes polymerised with carbon nanotubes for the removal of organic pollutants in water. <i>Water S A</i> , 2018, 34, 113.	0.4	46
148	Development of calcined catalytic membrane for potential photodegradation of Congo red in aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4850-4863.	6.7	16
149	Overview of Trends in the Application of Metagenomic Techniques in the Analysis of Human Enteric Viral Diversity in Africaâ€™s Environmental Regimes. <i>Viruses</i> , 2018, 10, 429.	3.3	9
150	Spectroscopic Determination of Water Salinity in Brackish Surface Water in Nandoni Dam, at Vhembe District, Limpopo Province, South Africa. <i>Water (Switzerland)</i> , 2018, 10, 990.	2.7	29
151	A novel photodegradation approach for the efficient removal of natural organic matter (NOM) from water. <i>Physics and Chemistry of the Earth</i> , 2018, 106, 97-106.	2.9	20
152	Facile Synthesis of Nitrogen Doped Graphene Oxide from Graphite Flakes and Powders: A Comparison of Their Surface Chemistry. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5470-5484.	0.9	14
153	Chemistry behind the Performance of Ceramic Membranes and Their Future in Membrane Technology. , 2018, , 253-273.		2
154	Nanocomposites for Pollution Control. , 2018, , 47-80.		0
155	Fouling Resistance and Physicochemical Properties of Polyamide Thinâ€Film Composite Membranes Modified with Functionalized Cyclodextrins. <i>Advances in Polymer Technology</i> , 2017, 36, 249-260.	1.7	11
156	Carbon nanotube embedded PVDF membranes: Effect of solvent composition on the structural morphology for membrane distillation. <i>Physics and Chemistry of the Earth</i> , 2017, 100, 135-142.	2.9	9
157	Conversion of post consumer waste polystyrene into a high value adsorbent and its sorptive properties for Congo Red removal from aqueous solution. <i>Journal of Environmental Management</i> , 2017, 193, 280-289.	7.8	40
158	Effect of incorporating graphene oxide and surface imprinting on polysulfone membranes on flux, hydrophilicity and rejection of salt and polycyclic aromatic hydrocarbons from water. <i>Physics and Chemistry of the Earth</i> , 2017, 100, 126-134.	2.9	20
159	Thermally and mechanically stable β -cyclodextrin/cellulose acetate nanofibers synthesized using an environmentally benign procedure. <i>International Journal of Smart and Nano Materials</i> , 2017, 8, 1-19.	4.2	15
160	Nitrogenâ€Doped Carbon Nanotubes/Polyethersulfone Blend Membranes for Removing Emerging Micropollutants. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1500889.	1.1	17
161	Porous materials for the sorption of emerging organic pollutants from aqueous systems: The case for conjugated microporous polymers. <i>Journal of Water Process Engineering</i> , 2017, 16, 223-232.	5.6	16
162	Determination of toxic metals in drinking water sources in the Chief Albert Luthuli Local Municipality in Mpumalanga, South Africa. <i>Physics and Chemistry of the Earth</i> , 2017, 100, 94-100.	2.9	21

#	ARTICLE	IF	CITATIONS
163	Synthesis of Fe-Ag/f-MWCNT/PES nanostructured-hybrid membranes for removal of Cr(VI) from water. Separation and Purification Technology, 2017, 184, 79-87.	7.9	43
164	Enhanced solar light photodegradation of brilliant black bis-azo dye in aqueous solution by F, Sm ³⁺ -codoped TiO ₂ . IOP Conference Series: Materials Science and Engineering, 2017, 195, 012006.	0.6	5
165	Graphene-based molecularly imprinted polymer for separation and pre-concentration of trace polycyclic aromatic hydrocarbons in environmental water samples. Journal of Applied Polymer Science, 2017, 134, 45300.	2.6	12
166	Magnetite and cobalt ferrite nanoparticles used as seeds for acid mine drainage treatment. Journal of Hazardous Materials, 2017, 333, 308-318.	12.4	36
167	Development of hydrophilic GO-ZnO/PES membranes for treatment of pharmaceutical wastewater. Water Science and Technology, 2017, 76, 501-514.	2.5	28
168	Molecularly imprinted membranes (MIMs) for selective removal of polychlorinated biphenyls (PCBs) in environmental waters: fabrication and characterization. Environmental Science and Pollution Research, 2017, 24, 11694-11707.	5.3	20
169	Acid mine drainage: Prevention, treatment options, and resource recovery: A review. Journal of Cleaner Production, 2017, 151, 475-493.	9.3	534
170	Hydrochemical modelling of water quality in terms of emerging micropollutants in Mpumalanga, Gauteng and North West Provinces. Physics and Chemistry of the Earth, 2017, 100, 143-157.	2.9	12
171	Development of a silicone-membrane passive sampler for monitoring cylindrospermopsin and microcystin LR-YR-RR in natural waters. Physics and Chemistry of the Earth, 2017, 100, 189-200.	2.9	0
172	Application of spinel ferrite nanoparticles in water and wastewater treatment: A review. Separation and Purification Technology, 2017, 188, 399-422.	7.9	403
173	Investigation of natural organic matter (NOM) character and its removal in a chlorinated and chloraminated system at Rand Water, South Africa. Water Science and Technology: Water Supply, 2017, 17, 1287-1297.	2.1	3
174	Chitosan-Based Nanocomposite Beads for Drinking Water Production. IOP Conference Series: Materials Science and Engineering, 2017, 195, 012004.	0.6	6
175	Hydrophilic fouling-resistant GO-ZnO/PES membranes for wastewater reclamation. Journal of Membrane Science, 2017, 524, 43-55.	8.2	126
176	Ferrite nanoparticles: Synthesis, characterisation and applications in electronic device. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 215, 37-55.	3.5	405
177	TiO ₂ -based Photocatalysis: Toward Visible Light-Responsive Photocatalysts Through Doping and Fabrication of Carbon-Based Nanocomposites. Critical Reviews in Solid State and Materials Sciences, 2017, 42, 295-346.	12.3	55
178	Osmotic backwash of fouled FO membranes: Cleaning mechanisms and membrane surface properties after cleaning. Desalination, 2017, 402, 62-71.	8.2	44
179	Fundamentals of chitosan for biomedical applications. , 2017, , 3-30.		48
180	Prospects and State-of-the-Art of Carbon Nanotube Membranes in Desalination Processes. , 2017, , 305-339.		0

#	ARTICLE	IF	CITATIONS
181	Occurrence of Emerging Micropollutants in Water Systems in Gauteng, Mpumalanga, and North West Provinces, South Africa. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 79.	2.6	63
182	The Occurrence and Diversity of Waterborne Fungi in African Aquatic Systems: Their Impact on Water Quality and Human Health. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 546.	2.6	19
183	Fatty Acid Composition of Dried Fruits of <i>Sclerocarya birrea</i> , <i>Diospyros blancoi</i> and <i>Landolphia kirkii</i> . <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1401.	2.6	6
184	Photocatalytic Membranes for Efficient Water Treatment. , 2016, , .		5
185	Double Walled Carbon Nanotube/TiO ₂ Nanocomposites for Photocatalytic Dye Degradation. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-9.	2.7	19
186	Synthesis of robust flexible polyethersulfone ultrafiltration membranes supported on non-woven fabrics for separation of NOM from water. <i>Water S A</i> , 2016, 42, 621.	0.4	7
187	Role of permeate flux and specific membrane fouling-solute affinity interactions		
188	UV-assisted reduction of in situ electrospun antibacterial chitosan-based nanofibres for removal of bacteria from water. <i>RSC Advances</i> , 2016, 6, 95936-95943.	3.6	23
189	Synthesis and characterization of ion imprinted polymeric adsorbents for the selective recognition and removal of arsenic and selenium in wastewater samples. <i>Journal of Saudi Chemical Society</i> , 2016, 20, 594-605.	5.2	33
190	Photoelectrochemical degradation of eosin yellowish dye on exfoliated graphite/ZnO nanocomposite electrode. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 592-598.	2.2	14
191	Dendrimers, mesoporous silicas and chitosan-based nanosorbents for the removal of heavy-metal ions: A review. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 570-586.	7.5	241
192	Superoleophilic electrospun polystyrene/exfoliated graphite fibre for selective removal of crude oil from water. <i>Physics and Chemistry of the Earth</i> , 2016, 92, 3-6.	2.9	11
193	Determination of the health of Lunyangwa wetland using Wetland Classification and Risk Assessment Index. <i>Physics and Chemistry of the Earth</i> , 2016, 92, 52-60.	2.9	16
194	Determination of the water quality index ratings of water in the Mpumalanga and North West provinces, South Africa. <i>Physics and Chemistry of the Earth</i> , 2016, 92, 70-78.	2.9	22
195	Investigating the Usability of Alkali Lignin as an Additive in Polysulfone Ultrafiltration Membranes. <i>BioResources</i> , 2015, 10, .	1.0	6
196	Calibration of a passive, in situ, integrative sampler for monitoring of microbial biotoxins in aquatic environments. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 1353-1367.	2.1	2
197	Acute Toxicity of Double-Walled Carbon Nanotubes to Three Aquatic Organisms. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-19.	2.7	26
198	Recent Developments in Environmental Photocatalytic Degradation of Organic Pollutants: The Case of Titanium Dioxide Nanoparticles—A Review. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-29.	2.7	174

#	ARTICLE	IF	CITATIONS
199	TiO ₂ Nanocatalysts Supported on a Hybrid Carbon-Covered Alumina Support: Comparison between Visible Light and UV Light Degradation of Rhodamine B. <i>Journal of Nanotechnology</i> , 2015, 2015, 1-8.	3.4	3
200	Enhanced visible-light photocatalytic activity of multi-elements-doped ZrO ₂ for degradation of indigo carmine. <i>Journal of Rare Earths</i> , 2015, 33, 498-506.	4.8	97
201	Palladium-decorated zinc sulfide/reduced graphene oxide nanocomposites for enhanced visible light-driven photodegradation of indigo carmine. <i>Materials Science in Semiconductor Processing</i> , 2015, 33, 119-126.	4.0	32
202	Development of functionalized doped carbon nanotube/polysulfone nanofiltration membranes for fouling control. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	15
203	Evaluation of the simulated solar light photocatalytic activity of N, Ir co-doped TiO ₂ for organic dye removal from water. <i>Applied Surface Science</i> , 2015, 329, 127-136.	6.1	23
204	Preparation and use of maize tassels™ activated carbon for the adsorption of phenolic compounds in environmental waste water samples. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5780-5792.	5.3	10
205	Cobalt-doped ZnS-reduced graphene oxide nanocomposite as an advanced photocatalytic material. <i>Journal of Porous Materials</i> , 2015, 22, 47-56.	2.6	35
206	Metals and sulphate removal from acid mine drainage in two steps via ferrite sludge and barium sulphate formation. <i>Minerals Engineering</i> , 2015, 81, 79-87.	4.3	26
207	Mixed Matrix PVDF Membranes With in Situ Synthesized PAMAM Dendrimer-Like Particles: A New Class of Sorbents for Cu(II) Recovery from Aqueous Solutions by Ultrafiltration. <i>Environmental Science & Technology</i> , 2015, 49, 9431-9442.	10.0	48
208	Solute hindrance in non-porous membranes: An ATR-FTIR study. <i>Desalination</i> , 2015, 368, 60-68.	8.2	12
209	Synthesis and characterization of magnetic nanoparticles and study their removal capacity of metals from acid mine drainage. <i>Chemical Engineering Journal</i> , 2015, 276, 222-231.	12.7	56
210	Gd,C,N,S Multi-doped ZrO ₂ for Photocatalytic Degradation of Indigo Carmine Dye from Synthetic Water under Simulated Solar Light. <i>Materials Today: Proceedings</i> , 2015, 2, 3909-3920.	1.8	14
211	Factors governing combined fouling by organic and colloidal foulants in cross-flow nanofiltration. <i>Journal of Membrane Science</i> , 2015, 491, 53-62.	8.2	44
212	Combined colloidal and organic fouling of FO membranes: The influence of foulant-foulant interactions and ionic strength. <i>Journal of Membrane Science</i> , 2015, 493, 539-548.	8.2	36
213	Polypropylene-zeolite polymer composites for water purification: synthesis, characterisation and application. <i>Desalination and Water Treatment</i> , 2015, 53, 2604-2612.	1.0	12
214	Polyurethane composite adsorbent using solid phase extraction method for preconcentration of metal ion from aqueous solution. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 2389-2400.	3.5	17
215	Evaluation of the influence of lipophilic extractive residues on dissolving pulp quality parameters by partial least squares method of chemometrics. <i>Nordic Pulp and Paper Research Journal</i> , 2015, 30, 402-410.	0.7	2
216	The Impact of Microbial Ecology and Chemical Profile on the Enhanced Biological Phosphorus Removal (EBPR) Process: A Case Study of Northern Wastewater Treatment Works, Johannesburg. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 2876-2898.	2.6	21

#	ARTICLE	IF	CITATIONS
217	Rejection of pharmaceuticals by nanofiltration (NF) membranes: Effect of fouling on rejection behaviour. <i>Physics and Chemistry of the Earth</i> , 2014, 76-78, 28-34.	2.9	14
218	Fluorescent sensing and determination of mercury (II) ions in water. <i>Water S A</i> , 2014, 40, 175.	0.4	17
219	Comparison between Base Metals and Platinum Group Metals in Nitrogen, M Codoped TiO ₂ (M = Fe, Cu, Pd, Os) for Photocatalytic Removal of an Organic Dye in Water. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-12.	2.7	17
220	Sulfur/Gadolinium-Codoped TiO ₂ Nanoparticles for Enhanced Visible-Light Photocatalytic Performance. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-11.	2.7	27
221	Artificial neural network simulations and experimental results: Removal of trichlorophenol from water using <i>Chromolaena odorata</i> stem. <i>Water S A</i> , 2014, 40, 369.	0.4	4
222	Development of antifouling polyamide thin-film composite membranes modified with amino-cyclodextrins and diethylamino-cyclodextrins for water treatment. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	16
223	Steam activation, characterisation and adsorption studies of activated carbon from maize tassels. <i>Chemistry and Ecology</i> , 2014, 30, 473-490.	1.6	17
224	Effect of site, species and tree size on the quantitative variation of lipophilic extractives in Eucalyptus woods used for pulping in South Africa. <i>Industrial Crops and Products</i> , 2014, 56, 166-174.	5.2	18
225	Surface restructuring of lignite by bio-char of <i>Cuminum cyminum</i> – Exploring the prospects in defluoridation followed by fuel applications. <i>Applied Surface Science</i> , 2014, 301, 235-243.	6.1	24
226	Effect of Cross-Linking Agent Chemistry and Coating Conditions on Physical, Chemical, and Separation Properties of PVA-Psf Composite Membranes. <i>Separation Science and Technology</i> , 2014, 49, 22-29.	2.5	23
227	Detection of chloroform in water using an azo dye-modified β -cyclodextrin – Epichlorohydrin copolymer as a fluorescent probe. <i>Physics and Chemistry of the Earth</i> , 2014, 67-69, 79-85.	2.9	20
228	Ionic Liquid-Based Extraction of Fatty Acids from Blue-Green Algal Cells Enhanced by Direct Transesterification and Determination Using GC-TOFMS. <i>Chromatographia</i> , 2014, 77, 479-486.	1.3	8
229	Activated Carbon from Lignocellulosic Waste Residues: Effect of Activating Agent on Porosity Characteristics and Use as Adsorbents for Organic Species. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	26
230	A critical review of transport through osmotic membranes. <i>Journal of Membrane Science</i> , 2014, 454, 516-537.	8.2	254
231	Probing the mechanical and thermal properties of polysulfone membranes modified with synthetic and natural polymer additives. <i>Polymer Testing</i> , 2014, 34, 202-210.	4.8	59
232	Exfoliated graphite/titanium dioxide nanocomposites for photodegradation of eosin yellow. <i>Applied Surface Science</i> , 2014, 300, 159-164.	6.1	26
233	Organic fouling in forward osmosis membranes: The role of feed solution chemistry and membrane structural properties. <i>Journal of Membrane Science</i> , 2014, 460, 99-109.	8.2	103
234	Microwave-induced synthesis of β -cyclodextrin/N-doped carbon nanotube polyurethane nanocomposites for water purification. <i>Physics and Chemistry of the Earth</i> , 2014, 67-69, 105-110.	2.9	11

#	ARTICLE	IF	CITATIONS
235	Visible Light Photodegradation of Rhodamine B Dye by Two Forms of Carbon-Covered Alumina Supported TiO ₂ /Polysulfone Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 5709-5717.	3.7	24
236	The simultaneous stripping of arsenic and selenium from wastewaters using hollow-fibre supported liquid membranes. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 8865-8874.	2.7	9
237	Safety evaluation of heavy metals exposure from consumer products. <i>International Journal of Consumer Studies</i> , 2014, 38, 25-34.	11.6	27
238	Synthesis of PVDF ultrafiltration membranes supported on polyester fabrics for separation of organic matter from water. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014, 64, 012036.	0.6	4
239	Synthesis and application of reduced graphene oxide and molecularly imprinted polymers composite in chemo sensor for trichloroacetic acid detection in aqueous solution. <i>Physics and Chemistry of the Earth</i> , 2014, 76-78, 49-53.	2.9	18
240	Synthesis, Characterization, and Visible Light Degradation of Rhodamine B Dye by Carbon-Covered Alumina Supported Pd-TiO ₂ /Polysulfone Membranes. <i>Separation Science and Technology</i> , 2014, 49, 2124-2134.	2.5	10
241	Preparation of SPE hybrid mesoporous silica sorbents for the analysis and removal of organic pollutants in water. <i>Physics and Chemistry of the Earth</i> , 2014, 72-75, 83-87.	2.9	5
242	Relating thin film composite membrane performance to support membrane morphology fabricated using lignin additive. <i>Journal of Membrane Science</i> , 2014, 469, 216-224.	8.2	41
243	Fabrication of photocatalyst based on Eu ³⁺ -doped ZnSiO ₄ and sodium alginate core shell nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2014, 70, 143-149.	7.5	36
244	Influence of organic, colloidal and combined fouling on NF rejection of NaCl and carbamazepine: Role of solute-foulant-membrane interactions and cake-enhanced concentration polarisation. <i>Journal of Membrane Science</i> , 2014, 471, 35-46.	8.2	51
245	Synthesis and characterization of molecularly imprinted polymers for the remediation of PCBs and dioxins in aqueous environments. <i>Journal of Environmental Health Science & Engineering</i> , 2014, 12, 82.	3.0	35
246	Adsorption studies for the simultaneous removal of arsenic and selenium using naturally prepared adsorbent materials. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 1723-1732.	3.5	18
247	Voltammetric detection of arsenic on a bismuth modified exfoliated graphite electrode. <i>Electrochimica Acta</i> , 2014, 128, 48-53.	5.2	71
248	Zirconia-poly(propylene imine) dendrimer nanocomposite based electrochemical urea biosensor. <i>Enzyme and Microbial Technology</i> , 2014, 66, 48-55.	3.2	30
249	Determination of volatile fatty acids in wastewater by solvent extraction and gas chromatography. <i>Physics and Chemistry of the Earth</i> , 2014, 67-69, 86-92.	2.9	24
250	Application of polysulfone/cyclodextrin mixed-matrix membranes in the removal of natural organic matter from water. <i>Physics and Chemistry of the Earth</i> , 2014, 67-69, 71-78.	2.9	32
251	Investigating the structure and water permeation of membranes modified with natural and synthetic additives using tensile, porosity, and glass transition temperature studies. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	15
252	Advances in Nanostructured Polymers and Membranes for Removal of Heavy Metals in Water. , 2014, , 426-445.		0

#	ARTICLE	IF	CITATIONS
253	Fabrication and characterization of HCl-treated clinoptilolite filled ethylene vinyl acetate composite films. <i>Journal of Applied Polymer Science</i> , 2013, 127, 4359-4365.	2.6	1
254	Preparation of guanidinium terminus-molecularly imprinted polymers for selective recognition and solid-phase extraction (SPE) of [arginine]-microcystins. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 4253-4267.	3.7	13
255	Cyclodextrin-dendrimer functionalized polysulfone membrane for the removal of humic acid in water. <i>Journal of Applied Polymer Science</i> , 2013, 130, 4428-4439.	2.6	13
256	Potential use of dissolved cyanobacterial DNA for monitoring toxic <i>Microcystis</i> cyanobacteria in filtered water. <i>Physics and Chemistry of the Earth</i> , 2013, 66, 167-172.	2.9	3
257	A Convenient Procedure for the Synthesis of 6-O-Mono-Phosphate β -Cyclodextrins. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013, 188, 1675-1679.	1.6	0
258	Bacteria-Polymeric Membrane Interactions: Atomic Force Microscopy and XDLVO Predictions. <i>Langmuir</i> , 2013, 29, 13773-13782.	3.5	43
259	Modification of polyamide thin-film composite membranes with amino-cyclodextrins and diethylamino-cyclodextrins for water desalination. <i>Separation and Purification Technology</i> , 2013, 120, 328-340.	7.9	27
260	Remediation studies of trace metals in natural and treated water using surface modified biopolymer nanofibers. <i>Physics and Chemistry of the Earth</i> , 2013, 66, 45-50.	2.9	16
261	Photoelectrochemical oxidation of p-nitrophenol on an expanded graphite-TiO ₂ electrode. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1091-1102.	2.9	24
262	Synthesis, characterisation and application of an exfoliated graphite-diamond composite electrode in the electrochemical degradation of trichloroethylene. <i>RSC Advances</i> , 2013, 3, 24473.	3.6	23
263	Ion-imprinted polymers for environmental monitoring of inorganic pollutants: synthesis, characterization, and applications. <i>Environmental Science and Pollution Research</i> , 2013, 20, 790-802.	5.3	58
264	Solute transport and structural properties of polysulfone/ β -cyclodextrin polyurethane mixed-matrix membranes. <i>Journal of Membrane Science</i> , 2013, 429, 58-65.	8.2	19
265	Dechlorination of 3,3',4,4'-tetrachlorobiphenyl (PCB77) in water, by nickel/iron nanoparticles immobilized on L-lysine/PAA/PVDF membrane. <i>Physics and Chemistry of the Earth</i> , 2013, 66, 60-67.	2.9	8
266	A nitrogen-doped carbon nanotube enhanced polyethersulfone membrane system for water treatment. <i>Physics and Chemistry of the Earth</i> , 2013, 66, 148-156.	2.9	44
267	The response of typical South African raw waters to enhanced coagulation. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 20-28.	2.1	2
268	Stabilisation of silver and copper nanoparticles in a chemically modified chitosan matrix. <i>Carbohydrate Polymers</i> , 2013, 92, 1402-1407.	10.2	54
269	Preparation and characterization of thin film composite membranes modified with amine-functionalized β -cyclodextrins. <i>Journal of Applied Polymer Science</i> , 2013, 129, 549-558.	2.6	20
270	Chitosan-based nanomaterials: A state-of-the-art review. <i>International Journal of Biological Macromolecules</i> , 2013, 59, 46-58.	7.5	721

#	ARTICLE	IF	CITATIONS
271	Effect of Metal Ions (Ag, Co, Ni, and Pd) on the Visible Light Degradation of Rhodamine B by Carbon-Covered Alumina-Supported TiO ₂ in Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 1783-1794.	3.7	27
272	The influence of solvent properties on the performance of polysulfone/ β -cyclodextrin polyurethane mixed matrix membranes. <i>Journal of Applied Polymer Science</i> , 2013, 130, 2005-2014.	2.6	19
273	Production of N-doped carbon nanotubes using β - and γ -cyclodextrins: The effect of solubility. <i>Materials Letters</i> , 2013, 100, 66-69.	2.6	6
274	Composite polyester membranes with embedded dendrimer hosts and bimetallic Fe/Ni nanoparticles: synthesis, characterisation and application to water treatment. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	11
275	Metal Doped Nanosized Titania Used for the Photocatalytic Degradation of Rhodamine B Dye Under Visible-Light. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 4934-4942.	0.9	9
276	A Facile Procedure to Synthesize a Three-Component β -Cyclodextrin Polyurethane Nanocomposite Matrix Containing Ag Decorated N-CNTs for Water Treatment. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 341-348.	0.4	9
277	Photocatalytic Performance of Nitrogen, Osmium Co-Doped TiO ₂ for Removal of Eosin Yellow in Water Under Simulated Solar Radiation. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 5017-5027.	0.9	11
278	PCR amplification and DNA sequence of mcyA gene: The distribution profile of a toxigenic <i>Microcystis aeruginosa</i> in the Hartbeespoort Dam, South Africa. <i>Journal of Water and Health</i> , 2013, 11, 563-572.	2.6	6
279	Removal of waterborne bacteria from surface water and groundwater by cost-effective household water treatment systems (HWTS): A sustainable solution for improving water quality in rural communities of Africa. <i>Water S A</i> , 2013, 39, .	0.4	9
280	Nanostructured β -Cyclodextrin-Hyperbranched Polyethyleneimine (β -CD-HPEI) Embedded in Polysulfone Membrane for the Removal of Humic Acid from Water. <i>Separation Science and Technology</i> , 2013, 48, 2724-2734.	2.5	11
281	ANN modeling in Pb(II) removal from water by clay/polymer composites fabricated via the melt blending. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3894-3901.	2.6	8
282	Influence of Micellar Non-Ionic Surfactant Solutions in the Release of Sorbed Hydrophobic Polycyclic Aromatic Hydrocarbons in Soil Slurry. <i>Asian Journal of Chemistry</i> , 2013, 25, 257-260.	0.3	0
283	Morphological, transport, and adsorption properties of ethylene vinyl acetate/polyurethane/bentonite clay composites. <i>Journal of Applied Polymer Science</i> , 2012, 124, 4978-4985.	2.6	6
284	Natural organic matter (NOM) in South African waters: NOM characterisation using combined assessment techniques. <i>Water S A</i> , 2012, 38, .	0.4	17
285	An Exfoliated Graphite-Based Bisphenol A Electrochemical Sensor. <i>Sensors</i> , 2012, 12, 11601-11611.	3.8	57
286	Comparison of rhodamine B degradation under UV irradiation by two phases of titania nano-photocatalyst. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 847-855.	3.6	36
287	Structural, Transport and Adsorptive Properties of Lantana camara-Reinforced Ethylene Vinyl Acetate Composites. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3831-3843.	2.4	8
288	Synthesis and characterisation of Pd-modified N-doped TiO ₂ for photocatalytic degradation of natural organic matter (NOM) fractions. <i>Environmental Science and Pollution Research</i> , 2012, 19, 4120-4132.	5.3	23

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289	Preparation and Characterisation of β -cyclodextrin Polyurethane/Polysulfone Mixed Matrix Membranes. <i>Procedia Engineering</i> , 2012, 44, 70-71.	1.2	0
290	Synthesis and Application of Novel Functionalized Nanostructured Membranes Incorporating N-doped CNT Supported Metal Nanoparticles in Water Treatment. <i>Procedia Engineering</i> , 2012, 44, 1496-1501.	1.2	4
291	Layer-by-Layer Self-Assembled Metal-Ion- (Ag-, Co-, Ni-, and Pd-) Doped TiO ₂ Nanoparticles: Synthesis, Characterisation, and Visible Light Degradation of Rhodamine B. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-12.	2.7	16
292	Surface Modification of Polysulfone Membranes: Effect of Cross-Linker Chemistry on Membrane Performance and Physical Properties. <i>Procedia Engineering</i> , 2012, 44, 1262-1263.	1.2	0
293	Study on the efficiency of ethylene vinyl acetate-fly ash composites for the uptake of phenols from synthetic waste water. <i>Journal of Applied Polymer Science</i> , 2012, 128, n/a-n/a.	2.6	1
294	Study of the Fate of Lipophilic Wood Extractives During Acid Sulphite Pulping Process by Ultrasonic Solid-Liquid Extraction and Gas Chromatography Mass Spectrometry. <i>Journal of Wood Chemistry and Technology</i> , 2012, 32, 253-267.	1.7	2
295	Potential application of activated carbon from maize tassel for the removal of heavy metals in water. <i>Physics and Chemistry of the Earth</i> , 2012, 50-52, 104-110.	2.9	35
296	Electroanalysis of copper as a heavy metal pollutant in water using cobalt oxide modified exfoliated graphite electrode. <i>Physics and Chemistry of the Earth</i> , 2012, 50-52, 127-131.	2.9	20
297	A three step approach for removing organic matter from South African water sources and treatment plants. <i>Physics and Chemistry of the Earth</i> , 2012, 50-52, 132-139.	2.9	12
298	Monitoring of N-methyl carbamate pesticide residues in water using hollow fibre supported liquid membrane and solid phase extraction. <i>Physics and Chemistry of the Earth</i> , 2012, 50-52, 149-156.	2.9	7
299	The enrichment and removal of arsenic (III) from water samples using HFSLM. <i>Physics and Chemistry of the Earth</i> , 2012, 50-52, 121-126.	2.9	15
300	Determination of phthalate ester plasticizers in the aquatic environment using hollow fibre supported liquid membranes. <i>Physics and Chemistry of the Earth</i> , 2012, 50-52, 239-242.	2.9	15
301	Simultaneous determination of tetrachloro dibenzo-p-dioxin and poly-aromatic chlorinated biphenyls in aqueous environment using liquid phase microextraction. <i>Physics and Chemistry of the Earth</i> , 2012, 50-52, 98-103.	2.9	2
302	Supported liquid membrane-liquid chromatography-mass spectrometry analysis of cyanobacterial toxins in fresh water systems. <i>Physics and Chemistry of the Earth</i> , 2012, 50-52, 84-91.	2.9	7
303	Controlling the release of wood extractives into water bodies by selecting suitable eucalyptus species. <i>Physics and Chemistry of the Earth</i> , 2012, 50-52, 217-223.	2.9	6
304	Removal of Escherichia coli and Faecal Coliforms from Surface Water and Groundwater by Household Water Treatment Devices/Systems: A Sustainable Solution for Improving Water Quality in Rural Communities of the Southern African Development Community Region. <i>International Journal of Environmental Research and Public Health</i> , 2012, 9, 139-170.	2.6	64
305	Quantitative Variations of Intracellular Microcystin-LR, -RR and -YR in Samples Collected from Four Locations in Hartbeespoort Dam in North West Province (South Africa) During the 2010/2011 Summer Season. <i>International Journal of Environmental Research and Public Health</i> , 2012, 9, 3484-3505.	2.6	35
306	Characterisation of natural organic matter (NOM) and its removal using cyclodextrin polyurethanes. <i>Water S A</i> , 2012, 35, .	0.4	3

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307	Monitoring natural organic matter and disinfection by-products at different stages in two South African water treatment plants. <i>Water S A</i> , 2012, 35, .	0.4	7
308	The characterisation of natural organic matter (NOM) in South African waters. <i>Water Science and Technology: Water Supply</i> , 2012, 12, 648-657.	2.1	1
309	Removal of copper and cobalt from aqueous solutions using natural clinoptilolite. <i>Water S A</i> , 2012, 35, .	0.4	10
310	A comparative assessment of chemical contaminant removal by three household water treatment filters. <i>Water S A</i> , 2012, 38, .	0.4	17
311	Comparative study of EVA-Cloisite [®] 20A and heat-treated EVA-Cloisite [®] 20A on heavy-metal adsorption properties. <i>Water S A</i> , 2012, 38, .	0.4	2
312	Humic acid as a model for natural organic matter (NOM) in the removal of odorants from water by cyclodextrin polyurethanes. <i>Water S A</i> , 2012, 35, .	0.4	9
313	Efficiency of Silver Impregnated Porous Pot (SIPP) Filters for Production of Clean Potable Water. <i>International Journal of Environmental Research and Public Health</i> , 2012, 9, 3014-3029.	2.6	11
314	Metal ion adsorption behavior of lignocellulosic fiber [®] ethylene vinyl acetate composites. <i>Polymer Engineering and Science</i> , 2012, 52, 760-767.	3.1	5
315	Adsorption Behaviour of Ethylene Vinyl Acetate and Polycaprolactone-Bentonite Composites for Pb ²⁺ Uptake. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012, 22, 342-351.	3.7	10
316	Multiwalled carbon nanotubes decorated with nitrogen, palladium co-doped TiO ₂ (MWCNT/N, Pd) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Nanoparticle Research, 2012, 14, 1.	1.9	48
317	Synthesis and characterization of carbon-covered alumina (CCA) supported TiO ₂ nanocatalysts with enhanced visible light photodegradation of Rhodamine B. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	13
318	Adsorption of 2,4,6-Trichlorophenol and ortho-Nitrophenol from Aqueous Media Using Surfactant-Modified Clinoptilolite [®] Polypropylene Hollow Fibre Composites. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 1555-1569.	2.4	14
319	Ionic Liquid [®] Liquid Extraction and Supported Liquid Membrane Analysis of Lipophilic Wood Extractives from Dissolving-Grade Pulp. <i>Chromatographia</i> , 2012, 75, 513-520.	1.3	5
320	Electrocatalytic properties of prussian blue nanoparticles supported on poly(m-aminobenzenesulphonic acid)-functionalised single-walled carbon nanotubes towards the detection of dopamine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 95, 186-194.	5.0	19
321	Kinetic and equilibrium studies of the removal of Pb ²⁺ from aqueous solutions using Na ₂ SO ₄ -EVA/Cloisite [®] 20A composite. <i>Materials Chemistry and Physics</i> , 2012, 133, 369-375.	4.0	16
322	Synthesis and characterisation of generation 2 and 3 poly(propylene imine) dendrimer capped NiFe nanoalloy. <i>Materials Letters</i> , 2012, 68, 324-326.	2.6	10
323	Preparation and characterization of polysulfone/ [®] 2-cyclodextrin polyurethane composite nanofiltration membranes. <i>Journal of Membrane Science</i> , 2012, 405-406, 291-299.	8.2	104
324	Copper and silver impregnated carbon nanotubes incorporated into cyclodextrin polyurethanes for the removal of bacterial and organic pollutants in water. <i>Desalination and Water Treatment</i> , 2011, 27, 299-307.	1.0	15

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325	Nitrogen/Palladium-Codoped TiO ₂ for Efficient Visible Light Photocatalytic Dye Degradation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22110-22120.	3.1	234
326	Comparative studies of the morphological and thermal properties of clay/polymer nanocomposites synthesized via melt blending and modified solution blending methods. <i>Journal of Composite Materials</i> , 2011, 45, 2211-2216.	2.4	21
327	Green synthesis and stabilization of gold nanoparticles in chemically modified chitosan matrices. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 682-687.	7.5	48
328	Treatability and characterization of Natural Organic Matter (NOM) in South African waters using newly developed methods. <i>Physics and Chemistry of the Earth</i> , 2011, 36, 1159-1166.	2.9	16
329	Development of supported liquid membrane techniques for the monitoring of trace levels of organic pollutants in wastewaters and water purification systems. <i>Physics and Chemistry of the Earth</i> , 2011, 36, 1167-1177.	2.9	11
330	The potential of melt-mixed polypropylene-zeolite blends in the removal of heavy metals from aqueous media. <i>Physics and Chemistry of the Earth</i> , 2011, 36, 1178-1188.	2.9	20
331	Household water treatment systems: A solution to the production of safe drinking water by the low-income communities of Southern Africa. <i>Physics and Chemistry of the Earth</i> , 2011, 36, 1120-1128.	2.9	68
332	Determination of persistent cyclic organochlorine residues in sediment slurry by microporous membrane liquid-liquid extraction and gas chromatography-mass spectrometry. <i>Water S A</i> , 2011, 37, .	0.4	2
333	Assessing the effectiveness of a biological recovery of nickel from tailing dumps. <i>Minerals Engineering</i> , 2011, 24, 470-472.	4.3	2
334	Prediction of metal-adsorption behaviour in the remediation of water contamination using indigenous microorganisms. <i>Journal of Environmental Management</i> , 2011, 92, 2786-2793.	7.8	39
335	In situ formation of β -silicon carbide nanorods from the hybrid of an organic moiety and methyltriethoxysilane. <i>Materials Letters</i> , 2011, 65, 2245-2247.	2.6	6
336	Electrochemical detection and removal of lead in water using poly(propylene imine) modified re-compressed exfoliated graphite electrodes. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 1389-1396.	2.9	35
337	Ethylene Vinyl Acetate and Polycaprolactone-Organoclay Nanocomposite: Thermal, Mechanical and Morphological Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011, 21, 229-236.	3.7	19
338	UV/visible spectroscopic analysis of CO ₃ ²⁻ and CO ₂ ²⁻ during the dissolution of cobalt from mixed Co-Cu oxidized ores. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2011, 18, 260-269.	4.9	15
339	The adsorption behavior of Cu(II), Pb(II), and Co(II) of ethylene vinyl acetate-clinoptilolite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3414-3424.	2.6	15
340	Preparation, characterization, and application of polypropylene-clinoptilolite composites for the selective adsorption of lead from aqueous media. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 210-219.	9.4	49
341	Synthesis and DNA binding studies of Ni(II), Co(II), Cu(II) and Zn(II) metal complexes of N1,N5-bis[pyridine-2-methylene]-thiocarbohydrazone Schiff-base ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1050-1056.	3.9	80
342	Synthesis, characterization, and in vitro antibacterial and antifungal studies of tin(IV) thiohydrazide complexes. <i>Journal of Coordination Chemistry</i> , 2011, 64, 3622-3636.	2.2	6

#	ARTICLE	IF	CITATIONS
343	Fluorescent Sensing of Chlorophenols in Water Using an Azo Dye Modified β -Cyclodextrin Polymer. <i>Sensors</i> , 2011, 11, 4598-4608.	3.8	27
344	Influence of TiO ₂ -Modification on the Mechanical and Thermal Properties of Sugarcane Bagasse "EVA Composites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2010, 20, 802-808.	3.7	36
345	β -Cyclodextrin-ionic liquid polyurethanes for the removal of organic pollutants and heavy metals from water: synthesis and characterization. <i>Journal of Polymer Research</i> , 2010, 17, 589-600.	2.4	55
346	Fe "Ni Nanoparticles supported on carbon nanotube-co-cyclodextrin polyurethanes for the removal of trichloroethylene in water. <i>Journal of Nanoparticle Research</i> , 2010, 12, 449-456.	1.9	29
347	Spectral, thermal and in vitro antimicrobial studies of cyclohexylamine-N-dithiocarbamate transition metal complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 579-587.	3.9	63
348	Synthesis of silver impregnated carbon nanotubes and cyclodextrin polyurethanes for the disinfection of water. <i>Water S A</i> , 2010, 36, .	0.4	15
349	The Effect of Si and Fe Impurities on the Removal of Cu ²⁺ and Co ²⁺ from Co/Cu aqueous solutions using natural clinoptilolite as an ion-exchanger. <i>Desalination and Water Treatment</i> , 2010, 21, 335-345.	1.0	6
350	Study on surface morphology and physicochemical properties of raw and activated South African coal and coal fly ash. <i>Physics and Chemistry of the Earth</i> , 2010, 35, 811-814.	2.9	22
351	A comprehensive study of physical and physiological parameters that affect bio-sorption of metal pollutants from aqueous solutions. <i>Physics and Chemistry of the Earth</i> , 2010, 35, 672-678.	2.9	13
352	Adsorption Mechanisms of Co ²⁺ and Cu ²⁺ from Aqueous Solutions using Natural Clinoptilolite: Equilibrium and Kinetic Studies. <i>Journal of Applied Sciences</i> , 2010, 10, 599-610.	0.3	11
353	NOM characterization and removal at six Southern African water treatment plants. <i>Drinking Water Engineering and Science</i> , 2010, 3, 53-61.	0.8	22
354	Cyclodextrin-ionic liquid polyurethanes for application in drinking water treatment. <i>Water S A</i> , 2009, 35, .	0.4	18
355	Review: Nitrosamines: A review on their prevalence as emerging pollutants and potential remediation options. <i>Water S A</i> , 2009, 35, .	0.4	13
356	Cyclodextrin nanosponges in the removal of organic matter for ultrapure water in power generation. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2009, 58, 299-304.	1.4	14
357	Growth of silicon carbide nanorods from the hybrid of lignin and polysiloxane using sol-gel process and polymer blend technique. <i>Materials Letters</i> , 2009, 63, 2449-2451.	2.6	15
358	Synthesis of Silicon Carbide Nanowires from a Hybrid of Amorphous Biopolymer and Sol "Gel Derived Silica. <i>Journal of the American Ceramic Society</i> , 2009, 92, 3052-3058.	3.8	16
359	Mitigation of Ca, Fe, and Mg loads in surface waters around mining areas using indigenous microorganism strains. <i>Physics and Chemistry of the Earth</i> , 2009, 34, 825-829.	2.9	10
360	Monitoring the prevalence of nitrosamines in South African waters and their removal using cyclodextrin polyurethanes. <i>Physics and Chemistry of the Earth</i> , 2009, 34, 819-824.	2.9	18

#	ARTICLE	IF	CITATIONS
361	Biosorptive removal of copper and cobalt from aqueous solutions: <i>Shewanella</i> spp. put to the test. <i>Physics and Chemistry of the Earth</i> , 2009, 34, 841-849.	2.9	15
362	Metal adsorption capabilities of clinoptilolite and selected strains of bacteria from mine water. <i>Physics and Chemistry of the Earth</i> , 2009, 34, 830-840.	2.9	21
363	Removal of natural organic matter from water using ion-exchange resins and cyclodextrin polyurethanes. <i>Physics and Chemistry of the Earth</i> , 2009, 34, 812-818.	2.9	31
364	Water Disinfection Using Novel Cyclodextrin Polyurethanes Containing Silver Nanoparticles Supported on Carbon Nanotubes. <i>Journal of Applied Sciences</i> , 2009, 10, 65-70.	0.3	22
365	Cyclodextrin polyurethanes polymerized with multi-walled carbon nanotubes: Synthesis and characterization. <i>Materials Chemistry and Physics</i> , 2008, 111, 218-224.	4.0	41
366	Electrodeposition preparation of ZnO nanobelt array films and application to dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2008, 462, 175-180.	5.5	67
367	Removal of organic contaminants from water using nanosponge cyclodextrin polyurethanes. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 382-388.	3.2	91
368	Carbon nanotubes and cyclodextrin polymers for removing organic pollutants from water. <i>Environmental Chemistry Letters</i> , 2007, 5, 13-17.	16.2	109
369	Monofunctionalized cyclodextrin polymers for the removal of organic pollutants from water. <i>Environmental Chemistry Letters</i> , 2007, 5, 79-84.	16.2	68
370	Solid-state isomerisation reactions of $(\eta^5\text{-C}_5\text{H}_4\text{R})\text{M}(\text{CO})_2(\text{PR}_3)_2$ (M=W, Mo; R=tBu, Me; R ² =Ph, OiPr ₃). <i>Journal of Organometallic Chemistry</i> , 2004, 689, 2207-2215.	1.8	10
371	Kinetics of the single-to-single crystal isomerisation reactions of $(\eta^5\text{-C}_5\text{H}_4\text{Me})\text{W}(\text{CO})_2(\text{L})$, [L= P(OiPr) ₃ , PPh ₃]. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2004, 60, s282-s282.	0.3	0
372	Polymerization of Cyclodextrin-Ionic Liquid Complexes for the Removal of Organic and Inorganic Contaminants from Water. , 0, , .		0
373	Imidazolium-Based Ionic Liquids as Solvents for Analysis of Lipophilic Extractives from Biomass. , 0, , .		0
374	Polyelectrolyte self-assembly on polymeric nanofiltration substrates: Insight into thin film growth and surface modification. , 0, 181, 64-79.		0