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<input type="checkbox"/> Abd El-Mageed, T.A. 18 <input type="checkbox"/> Semida, W.M. 11 <input type="checkbox"/> Abdelkhalik, A. 9 <input type="checkbox"/> Khalil, A.S.G. 9 <input type="checkbox"/> Rady, M.M. 8 Show more		Title	Authors	Year	Scopus Source	Citations
<input type="checkbox"/> Institutions <input type="checkbox"/> Al-Fayoum University 88 <input type="checkbox"/> Cairo University 8 <input type="checkbox"/> University of Duisburg-Essen 8 <input type="checkbox"/> Al Jouf University 7 <input type="checkbox"/> Beni-Suef University 6 Show more		Moringa leaf extract as biostimulant improves water use efficiency, physiological attributes of squash plants under deficit irrigation View in Scopus View abstract	Abd El-Mageed, T.A., Semida, W.M., Rady, M.M.	2017	Agricultural Water Management	49
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<input type="checkbox"/> Apply filter		Role of exogenous nitrogen supply in alleviating the deficit irrigation stress in wheat plants View in Scopus View abstract	Agami, R.A., Alamri, S.A.M., Abd El-Mageed, T.A. and 2 more	2018	Agricultural Water Management	39
		Combined effect of deficit irrigation and foliar-applied salicylic acid on physiological responses, yield, and water-use efficiency of onion plants in saline calcareous soil View in Scopus View abstract	Semida, W.M., Abd El-Mageed, T.A., Mohamed, S.E. and 1 more	2017	Archives of Agronomy and Soil Science	34
		Surface micro-patterning as a promising platform towards novel polyamide thin-film composite membranes of superior performance View in Scopus View abstract	ElSherbiny, I.M.A., Khalil, A.S.G., Ulbricht, M.	2017	Journal of Membrane Science	34
		Theoretical study on hybrid desalination system coupled with nano-fluid solar heater for arid states View in Scopus View abstract	El-Said, E.M.S., Kabeel, A.E., Abdulaziz, M.	2016	Desalination	33


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Combined effect of foliar-applied salicylic acid and deficit irrigation on physiological-anatomical responses, and yield of squash plants under saline soil <i>Open Access</i> View in Scopus ↗ > View abstract	Abd El-Mageed, T.A. , Semida, W.M. , Mohamed, G.F. and 1 more	2016	South African Journal of Botany	32
Influence of controlled functionalization of mesoporous silica nanoparticles as tailored fillers for thin-film nanocomposite membranes on desalination performance View in Scopus ↗ > View abstract	Abdelsamad, A.M.A. , Khalil, A.S.G. , Ulbricht, M.	2018	Journal of Membrane Science	30
Compost and mulching modulates morphological, physiological responses and water use efficiency in sorghum (bicolor L. Moench) under low moisture regime View in Scopus ↗ > View abstract	Abd El-Mageed, T.A. , El-Samnoudi, I.M. , Ibrahim, A.E.-A.M. and 1 more	2018	Agricultural Water Management	30
Experimental study on a modified solar power driven hybrid desalination system View in Scopus ↗ > View abstract	Kabeel, A.E. , El-Said, E.M.S.	2018	Desalination	27
Enhancement of a solar still performance by inclusion the basalt stones as a porous sensible absorber: Experimental study and thermo-economic analysis View in Scopus ↗ > View abstract	Mohamed, A.F. , Hegazi, A.A. , Sultan, G.I. and 1 more	2019	Solar Energy Materials and Solar Cells	26
Combined effect of deficit irrigation and potassium fertilizer on physiological response, plant water status and yield of soybean in calcareous soil View in Scopus ↗ > View abstract	Abd El-Mageed, T.A. , El-Sherif, A.M.A. , Ali, M.M. and 1 more	2017	Archives of Agronomy and Soil Science	24
Elevating tolerance of drought stress in <i>Ocimum basilicum</i> using pollen grains extract; a natural biostimulant by regulation of plant performance and antioxidant defense system View in Scopus ↗ > View abstract	Taha, R.S. , Alharby, H.F. , Bamagoos, A.A. and 2 more	2020	South African Journal of Botany	22









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Exogenously used 24-epibrassinolide promotes drought tolerance in maize hybrids by improving plant and water productivity in an arid environment <i>Open Access</i> View in Scopus ↗ > View abstract	Desoky, E.-S.M. , Mansour, E. , Ali, M.M.A. and 4 more	2021	Plants	22
Foliar application of zinc oxide nanoparticles promotes drought stress tolerance in eggplant (<i>Solanum melongena</i> L.) <i>Open Access</i> View in Scopus ↗ > View abstract	Semida, W.M. , Abdelkhalik, A. , Mohamed, G.F. and 4 more	2021	Plants	21
Yield response of seedless watermelon to different drip irrigation strategies under Mediterranean conditions <i>Open Access</i> View in Scopus ↗ > View abstract	Abdelkhalik, A. , Pascual-Seva, N. , Nájera, I. and 3 more	2019	Agricultural Water Management	20
Effect of summer-fall deficit irrigation on morpho-physiological, anatomical responses, fruit yield and water use efficiency of cucumber under salt affected soil View in Scopus ↗ > View abstract	Abd El-Mageed, T.A. , Semida, W.M. , Taha, R.S. and 1 more	2018	Scientia Horticulturae	19
Effect of drip deficit irrigation and soil mulching on growth of common bean plant, water use efficiency and soil salinity View in Scopus ↗ > View abstract	Abd El-Wahed, M.H. , Baker, G.A. , Ali, M.M. and 1 more	2017	Scientia Horticulturae	18
Facile synthesis and characterization of novel Gd ₂ O ₃ -CdO binary mixed oxide nanocomposites of highly photocatalytic activity for wastewater remediation under solar illumination View in Scopus ↗ > View abstract	Abu-Dief, A.M. , Essawy, A.A. , Diab, A.K. and 1 more	2021	Journal of Physics and Chemistry of Solids	17
Green synthesis of spongy Nano-ZnO productive of hydroxyl radicals for unconventional solar-driven photocatalytic remediation of antibiotic enriched wastewater View in Scopus ↗ > View abstract	Essawy, A.A. , Alsohaimi, I.H. , Alhumaimess, M.S. and 2 more	2020	Journal of Environmental Management	15


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A novel compost alleviate drought stress for sugar beet production grown in Cd-contaminated saline soil View in Scopus ↗ > View abstract	Abd El-Mageed, T.A. , El-Sherif, A.M.A. , Abd El-Mageed, S.A. and 1 more	2019	Agricultural Water Management	15
Active faceted Cu ₂ O hollow nanospheres for unprecedented adsorption and visible-light degradation of pollutants View in Scopus ↗ > View abstract	Yu, W. , Liu, J. , Yi, M. and 9 more	2020	Journal of Colloid and Interface Science	14
Wastewater remediation by TiO ₂ -impregnated chitosan nano-grafts exhibited dual functionality: High adsorptivity and solar-assisted self-cleaning View in Scopus ↗ > View abstract	Essawy, A.A. , Sayyah, S.M. , El-Nggar, A.M.	2017	Journal of Photochemistry and Photobiology B: Biology	14
Framework to establish economic level of leakage for intermittent water supplies in arid environments View in Scopus ↗ > View abstract	Haider, H. , Al-Salamah, I.S. , Ghazaw, Y.M. and 3 more	2019	Journal of Water Resources Planning and Management	14
Mode of rice drip irrigation View in Scopus ↗ > View abstract	Kruzhilin, I.P. , Dubenok, N.N. , Ganiev, M.A. and 5 more	2017	ARNP Journal of Engineering and Applied Sciences	14
Effects of deficit irrigation on the yield and irrigation water use efficiency of drip-irrigated sweet pepper (<i>Capsicum annuum</i> L.) under Mediterranean conditions View in Scopus ↗ > View abstract	Abdelkhalik, A. , Pascual, B. , Nájera, I. and 3 more	2020	Irrigation Science	13
Sustainability Evaluation of Rainwater Harvesting-Based Flood Risk Management Strategies: A Multilevel Decision-Making Framework for Arid Environments View in Scopus ↗ > View abstract	Haider, H. , Ghumman, A.R. , Al-Salamah, I.S. and 2 more	2019	Arabian Journal for Science and Engineering	13
A novel photocatalytic system consists of Co(II) complex@ZnO exhibits potent antimicrobial activity and efficient solar-induced wastewater remediation View in Scopus ↗ > View abstract	Essawy, A.A. , Nassar, A.M. , Arafa, W.A.A.	2018	Solar Energy	12











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Exogenously applied proline enhances growth and productivity of drought stressed onion by improving photosynthetic efficiency, water use efficiency and up-regulating osmoprotectants View in Scopus ↗ > View abstract	Semida, W.M. , Abdelkhalik, A. , Rady, M.O.A. and 2 more	2020	Scientia Horticulturae	12
Integrated effect of planting dates and irrigation regimes on morpho-physiological response, forage yield and quality, and water use efficiency of clitoria (<i>Clitoria ternatea</i> L.) in arid region View in Scopus ↗ > View abstract	Mahfouz, H. , Megawer, E.A. , Maher, A. and 1 more	2020	Archives of Agronomy and Soil Science	11
Traditional solar distiller improvement by a single external refractor under the climatic conditions of the El-Oued region, Algeria View in Scopus ↗ > View abstract	Khechekhouché, A. , Kabeel, A.E. , Benhaoua, B. and 2 more	2020	Desalination and Water Treatment	11
Exogenous glutathione-mediated tolerance to deficit irrigation in salt-affected <i>Capsicum frutescens</i> (L.) plants is connected with higher antioxidant content and ionic homeostasis View in Scopus ↗ > View abstract	Al-Elwany, O.A.A.I. , Mohamed, G.F. , Abdurrahman, H.A. and 2 more	2020	Notulae Botanicae Horti Agrobotanici Cluj-Napoca	11
Ultrasonic-mediated synthesis and characterization of TiO ₂ -loaded chitosan-grafted-polymethylaniline nanoparticles of potent efficiency in dye uptake and sunlight driven self-cleaning applications View in Scopus ↗ > View abstract	Essawy, A.A. , Sayyah, S.M. , El-Nggar, A.M.	2016	RSC Advances	10
A Novel Fluorimetric Bulk Optode Membrane Based on NOS Tridentate Schiff Base for Selective Optical Sensing of Al ³⁺ Ions View in Scopus ↗ > View abstract	Abdel Aziz, A.A. , Mohamed, R.G. , Elantabli, F.M. and 1 more	2016	Journal of Fluorescence	10
Removal of humic acid and chloroform from drinking water by using commercial nanofiltration and reverse osmosis membranes View in Scopus ↗ > View abstract	Abdel-Karim, A. , Gad-Allah, T.A. , Badawy, M.I. and 2 more	2017	Desalination and Water Treatment	10











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Removal of cadmium (II) from aqueous solution and natural water samples using polyurethane foam/organobentonite/iron oxide nanocomposite adsorbent View in Scopus  > View abstract	Sayed, M. , Burham, N.	2018	International Journal of Environmental Science and Technology	9
Raised beds modulate physiological responses, yield and water use efficiency of wheat (<i>Triticum aestivum</i> L) under deficit irrigation View in Scopus  > View abstract	Rady, M.O.A. , Semida, W.M. , Howladar, S.M. and 1 more	2021	Agricultural Water Management	9
Influence of surface micro-patterning and hydrogel coating on colloidal silica fouling of polyamide thin-film composite membranes <i>Open Access</i> View in Scopus  > View abstract	Elsherbiny, I.M.A. , Khalil, A.S.G. , Ulbricht, M.	2019	Membranes	9
Sprinkler irrigation uniformity: Impact on the crop yield and water use efficiency View in Scopus  > View abstract	Abd El-Wahed, M.H. , Medici, M. , Lorenzini, G.	2016	Journal of Engineering Thermophysics	9
Effect of M Nitrates on the Optical, Dielectric Relaxation and Porosity of PVC/PMMA Membranes (M = Cd, Co, Cr or Mg) View in Scopus  > View abstract	Mohammed, G. , El Sayed, A.M. , El-Gamal, S.	2020	Journal of Inorganic and Organometallic Polymers and Materials	8
The post-modification of magnetic metal-organic frameworks with β -cyclodextrin for the efficient removal of fungicides from environmental water View in Scopus  > View abstract	Senosy, I.A. , Lu, Z.-H. , Abdelrahman, T.M. and 4 more	2020	Environmental Science: Nano	8
Regulated deficit irrigation as a water-saving strategy for onion cultivation in Mediterranean conditions <i>Open Access</i> View in Scopus  > View abstract	Abdelkhalik, A. , Pascual, B. , Nájera, I. and 2 more	2019	Agronomy	8
Foliage applied selenium improves photosynthetic efficiency, antioxidant potential and wheat productivity under drought stress View in Scopus  > View abstract	Rady, M.O.A. , Semida, W.M. , El-Mageed, T.A.A. and 2 more	2020	International Journal of Agriculture and Biology	8


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Green fabrication of silver imprinted titania / silica nanospheres as robust visible light-induced photocatalytic wastewater purification View in Scopus > View abstract	Alrowaili, Z.A. , Alsohaimi, I.H. , Betiha, M.A. and 4 more	2020	Materials Chemistry and Physics	8
Phytochemical characteristics of Paulownia trees wastes and its use as unconventional feedstuff in animal feed View in Scopus > View abstract	Alagawany, M. , Farag, M.R. , Sahfi, M.E. and 6 more	2020	Animal Biotechnology	7
High performance graphene-based PVF foam for lead removal from water <i>Open Access</i> View in Scopus > View abstract	Yosef, M. , Fahmy, A. , Hotaby, W.E. and 3 more	2020	Journal of Materials Research and Technology	7
Effect of deficit irrigation on the productive response of drip-irrigated onion (<i>Allium cepa</i> L.) in mediterranean conditions <i>Open Access</i> View in Scopus > View abstract	Abdelkhalik, A. , Pascual-Seva, N. , Nájera, I. and 3 more	2019	Horticulture Journal	7
Experimental study of activated carbon as a porous absorber in solar desalination with environmental, exergy, and economic analysis View in Scopus > View abstract	Abdelaziz, G.B. , El-Said, E.M.S. , Bedair, A.G. and 3 more	2021	Process Safety and Environmental Protection	7
Hybrid-biomarker case-based reasoning system for water pollution assessment in Abou Hammad Sharkia, Egypt View in Scopus > View abstract	Hassanien, A.E. , El-Bendary, N. , Hashem Sweidan, A. and 2 more	2016	Applied Soft Computing Journal	7
Monitoring and removal of cyanobacterial toxins from drinking water by algal-activated carbon View in Scopus > View abstract	Ibrahim, W.M. , Salim, E.H. , Azab, Y.A. and 1 more	2016	Toxicology and Industrial Health	6
Silicon Defensive Role in Maize (<i>Zea mays</i> L.) against Drought Stress and Metals-Contaminated Irrigation Water View in Scopus > View abstract	Abd El-Mageed, T.A. , Shaaban, A. , Abd El-Mageed, S.A. and 2 more	2021	Silicon	6

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Nanofillers dissolution as a crucial challenge for the performance stability of thin-film nanocomposite desalination membranes	Abdelsamad, A.M.A., Matthias, M., Khalil, A.S.G. and 1 more	2019	Separation and Purification Technology	6
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Deficit irrigation as a sustainable practice in improving irrigation water use efficiency in cauliflower under Mediterranean conditions	Abdelkhalik, A., Pascual, B., Nájera, I. and 2 more	2019	Agronomy	5
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Tailoring Surface Characteristics of Polyamide Thin-Film Composite Membranes toward Pronounced Switchable Wettability	ElSherbiny, I.M.A., Khalil, A.S.G., Ulbricht, M.	2019	Advanced Materials Interfaces	5
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Efficient and recyclable photocatalytic degradation of methylene blue dye in aqueous solutions using nanostructured Cd _{1-x} CoxS films of different doping levels	Shaban, M., Elwahab, F.A., Ghitas, A.E. and 1 more	2020	Journal of Sol-Gel Science and Technology	5
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Recent progress in metal-microbe interactions: Prospects in bioremediation	Osman, G.E.H., Abulreesh, H.H., Elbanna, K. and 3 more	2019	Journal of Pure and Applied Microbiology	5
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Campylobacter in the environment: A major threat to public health	Abulreesh, H.H., Organji, S.R., Elbanna, K. and 3 more	2017	Asian Pacific Journal of Tropical Disease	5
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Design considerations and their effects on the operation and maintenance cost in solar-powered desalination plants	Kabeel, A.E., El-Said, E.M.S., Dafea, S.A.	2019	Heat Transfer - Asian Research	5
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Residual acidified biochar modulates growth, physiological responses, and water relations of maize (<i>Zea mays</i>) under heavy metal-contaminated irrigation water View in Scopus ↗ > View abstract	Abd El-Mageed, T.A. , Abdurrahman, H.A. , Abd El-Mageed, S.A.	2020	Environmental Science and Pollution Research	5
Water quality classification approach based on bio-inspired Gray Wolf Optimization View in Scopus ↗ > View abstract	Sweidan, A.H. , El-Bendary, N. , Hassanien, A.E. and 2 more	2016	Proceedings of the 2015 7th International Conference of Soft Computing and Pattern Recognition, SoCPaR 2015	5
Assessment of rainfall intensity equations enlisted in the egyptian code for designing potable water and sewage networks <i>Open Access</i> View in Scopus ↗ > View abstract	Awadallah, A.G. , Magdy, M. , Helmy, E. and 1 more	2017	Advances in Meteorology	4
Use of some nutritional supplements in drinking water of growing turkeys during 1st month of age and their effect on performance, meat quality, blood profile and antioxidant status View in Scopus ↗ > View abstract	Farghly, M.F.A. , Ahmad, E.A.M. , Alagawany, M. and 5 more	2018	Journal of Animal Physiology and Animal Nutrition	4
Combined Effect of Poultry Manure and Soil Mulching on Soil Properties, Physiological Responses, Yields and Water-use Efficiencies of Sorghum Plants under Water Stress View in Scopus ↗ > View abstract	El- Samnoudi, I.M. , Ibrahim, A.E.-A.M. , Abd El Tawwab, A.R. and 1 more	2019	Communications in Soil Science and Plant Analysis	3
Salicylic acid and proline enhance water use efficiency, antioxidant defense system and tissues' anatomy of wheat plants under field deficit irrigation stress View in Scopus ↗ > View abstract	Agami, R.A. , Alamri, S.A.M. , Abd El-Mageed, T.A. and 2 more	2019	Journal of Applied Botany and Food Quality	3
Grey wolf optimizer and case-based reasoning model for water quality assessment View in Scopus ↗ > View abstract	Sweidan, A.H. , Bendary, N.E. , Hassanien, A.E. and 2 more	2016	Advances in Intelligent Systems and Computing	3
Co-composted Poultry Litter Biochar Enhanced Soil Quality and Eggplant Productivity Under Different Irrigation Regimes View in Scopus ↗ > View abstract	Abd El-Mageed, T.A. , Abdelkhalik, A. , Abd El-Mageed, S.A. and 1 more	2021	Journal of Soil Science and Plant Nutrition	3

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Heavy metal tolerance among free-living fungi isolated from soil receiving long term application of wastewater <i>Open Access</i> View in Scopus  > View abstract	Imran, M., Ahmad, I., Barasubiye, T. and 4 more	2020	Journal of Pure and Applied Microbiology	3
Behavior of uranium series in groundwater of the Wajid Formation, Wadi AdDawasir, Saudi Arabia View in Scopus  > View abstract	Ebaid, Y.Y., Nasr, M.M., Santos, J.K.B. and 1 more	2020	Environmental Monitoring and Assessment	2
Investment profitability and economic efficiency of the drip irrigation system: Evidence from Egypt* View in Scopus  > View abstract	Ali, A., Xia, C., Jia, C. and 1 more	2020	Irrigation and Drainage	2
Salt distribution and potato response to irrigation regimes under varying mulching materials <i>Open Access</i> View in Scopus  > View abstract	El-Wahed, M.H.A., Al-Omran, A.M., Hegazi, M.M. and 3 more	2020	Plants	2
A Novel Record-Extension Technique for Water Quality Variables Based on L-Moments View in Scopus  > View abstract	Khalil, B., Awadallah, A.G., Adamowski, J. and 1 more	2016	Water, Air, and Soil Pollution	2
²²⁶ Ra and ²²⁸ Ra concentrations in soils with intense groundwater irrigation in an arid environment View in Scopus  > View abstract	Ebaid, Y.Y.	2020	Radiation Protection Dosimetry	2
Bacterial purification of sewage wastewater effluents and its influence on germination indices of <i>Vigna radiata</i> and <i>Hordeum vulgare</i> <i>Open Access</i> View in Scopus  > View abstract	Essa, A.M., El-Gayar, K.E., Awad, M.N. and 3 more	2019	Polish Journal of Environmental Studies	1
Prediction Framework for Water Quality Parameters Monitoring via Remote Sensing View in Scopus  > View abstract	Hassan, G., Shaheen, M.E., Taie, S.A.	2020	Proceedings - 2020 1st International Conference of Smart Systems and Emerging Technologies, SMART-TECH 2020	1
Pretreatments of wheat straw for possibility use in maintenance-free compressed green roof substrates View in Scopus  > View abstract	Xu, C., Yuan, Q., Gaballah, E.S. and 5 more	2021	Cellulose	1

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The impact of advanced static magnetic units on water properties and the performance of aeroponic and nft systems for lettuce <i>Open Access</i> View in Scopus  > View abstract	El-Ssawy, W., Abuarab, M., El-Mogy, M. and 4 more	2020	Polish Journal of Environmental Studies	1
Genotoxic and histopathological effects of water pollutants in three population fish (<i>Oreochromis niloticus</i>) in Egypt View in Scopus  > View abstract	Bakr, M.N., Aboelhassan, M.D., Elgindy, A. and 2 more	2016	International Journal of Pharmaceutical Sciences Review and Research	1
Sublimable layers for protection of painted pottery during desalination. A comparative study View in Scopus  > View abstract	Sadek, H., Berrie, B.H., Weiss, R.G.	2018	Journal of the American Institute for Conservation	1
Production response and irrigation water use efficiency of pepper (<i>Capsicum annuum</i> L.) to different deficit irrigation regimes View in Scopus  > View abstract	Abdelkhalik, A., Pascual-Seva, N., Nájera, I. and 3 more	2019	Acta Horticulturae	0
Low-Cost Production of 3D Printed Lab-on Chip (LOC) Device for Oil-in-Water Emulsion Separation View in Scopus  > View abstract	Elrouby, A.A.M., Ali, A.S.M., Abdel-Aty, A.A.R. and 2 more	2020	ICECS 2020 - 27th IEEE International Conference on Electronics, Circuits and Systems, Proceedings	0
Evaluation of the Peganum harmala plant stems in the removal of total dissolved salts from water View in Scopus  > View abstract	Azeem, S.M.A., Madbouly, M.D., El-Shahat, M.F.	2018	Desalination and Water Treatment	0
Vascular endothelial growth factor as early biomarker for hypoxia in <i>Oreochromis niloticus</i> View in Scopus  > View abstract	Hamdy, S.M., Shaban, A.M., Mahmoud, A.A. and 2 more	2018	Water and Environment Journal	0
Hybrid Predictive Model for Water Quality Monitoring Based on Sentinel-2A L1C Data <i>Open Access</i> View in Scopus  > View abstract	Hassan, G., Goher, M.E., Shaheen, M.E. and 1 more	2021	IEEE Access	0
Heavy metal pollution in well water and ecological risk assessment for the surrounding soil View in Scopus  > View abstract	Almohisen, I.A.A., Abdel Azeem, S.M., Madbouly, M.D.	2020	Desalination and Water Treatment	0

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Effect of inorganic ions on pyrite catalyzed Fenton reaction <i>Open Access</i> View in Scopus ↗ View abstract	Castillo, M.E., Gad-Allah, T.A., Ali, M.E.M. and 4 more	2018	Proceedings of the World Congress on New Technologies	0
New spectrophotometric protocol using tetra-thiosemicarbazone derivative chelating (TTSC) for the assessment of trace level of cadmium(II) in drinking water View in Scopus ↗ View abstract	Seaf-Elnasr, T.A., Alsohaimi, I.H., Ahmed Arafa, W.A. and 1 more	2020	International Journal of Environmental Analytical Chemistry	0
Electrocoagulation process performance in removal of TOC, TDS, and turbidity from surface water View in Scopus ↗ View abstract	Bakry, S.A., Matta, M.E., Zaher, K.	2018	Desalination and Water Treatment	0