

# Mohammad Malakootian

## List of Publications by Year in descending order

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Version: 2024-02-01

117  
papers

2,934  
citations

172457

29  
h-index

214800

47  
g-index

121  
all docs

121  
docs citations

121  
times ranked

2725  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance evaluation of electrocoagulation process using iron-rod electrodes for removing hardness from drinking water. <i>Desalination</i> , 2010, 255, 67-71.	8.2	144
2	Photocatalytic degradation of ciprofloxacin antibiotic by TiO <sub>2</sub> nanoparticles immobilized on a glass plate. <i>Chemical Engineering Communications</i> , 2020, 207, 56-72.	2.6	140
3	Removal of heavy metals from paint industry's wastewater using Leca as an available adsorbent. <i>International Journal of Environmental Science and Technology</i> , 2009, 6, 183-190.	3.5	122
4	Advanced oxidation processes for the removal of organophosphorus pesticides in aqueous matrices: A systematic review and meta-analysis. <i>Chemical Engineering Research and Design</i> , 2020, 134, 292-307.	5.6	116
5	Removal of antibiotics from aqueous solutions by nanoparticles: a systematic review and meta-analysis. <i>Environmental Science and Pollution Research</i> , 2019, 26, 8444-8458.	5.3	90
6	Simultaneous determination of hydroxylamine and phenol using a nanostructure-based electrochemical sensor. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 7431-7441.	2.7	85
7	Occurrence, seasonal distribution, and ecological risk assessment of microplastics and phthalate esters in leachates of a landfill site located near the marine environment: Bushehr port, Iran as a case. <i>Science of the Total Environment</i> , 2022, 842, 156838.	8.0	85
8	Facile and green synthesis of ZnFe <sub>2</sub> O <sub>4</sub> @CMC as a new magnetic nanophotocatalyst for ciprofloxacin degradation from aqueous media. <i>Chemical Engineering Research and Design</i> , 2019, 129, 138-151.	5.6	83
9	Preparation of CoFe <sub>2</sub> O <sub>4</sub> /activated carbon@chitosan as a new magnetic nanobiocomposite for adsorption of ciprofloxacin in aqueous solutions. <i>Water Science and Technology</i> , 2018, 78, 2158-2170.	2.5	80
10	Evaluating the efficacy of alumina/carbon nanotube hybrid adsorbents in removing Azo Reactive Red 198 and Blue 19 dyes from aqueous solutions. <i>Chemical Engineering Research and Design</i> , 2015, 96, 125-137.	5.6	78
11	ZnO nanoparticles immobilized on the surface of stones to study the removal efficiency of 4-nitroaniline by the hybrid advanced oxidation process (UV/ZnO/O <sub>3</sub> ). <i>Journal of Molecular Structure</i> , 2019, 1176, 766-776.	3.6	66
12	Pb and Co removal from paint industries effluent using wood ash. <i>International Journal of Environmental Science and Technology</i> , 2008, 5, 217-222.	3.5	60
13	Survey efficiency of electrocoagulation on nitrate removal from aqueous solution. <i>International Journal of Environmental Science and Technology</i> , 2011, 8, 107-114.	3.5	59
14	Efficiency of electro-Fenton process in removing Acid Red 18 dye from aqueous solutions. <i>Chemical Engineering Research and Design</i> , 2017, 111, 138-147.	5.6	59
15	Removal of metronidazole from wastewater by Fe/charcoal micro electrolysis fluidized bed reactor. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103457.	6.7	57
16	Photocatalytic ozonation degradation of ciprofloxacin using ZnO nanoparticles immobilized on the surface of stones. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 846-854.	2.4	52
17	The removal of amoxicillin from aquatic solutions using the TiO <sub>2</sub> /UV-C nanophotocatalytic method doped with trivalent iron. <i>Applied Water Science</i> , 2018, 8, 1.	5.6	51
18	A study on the photocatalytic degradation of <i>p</i> -Nitroaniline on glass plates by Thermo-Immobilized ZnO nanoparticle. <i>Inorganic and Nano-Metal Chemistry</i> , 2020, 50, 124-135.	1.6	45

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19	Reactive orange 16 dye adsorption from aqueous solutions by psyllium seed powder as a low-cost biosorbent: kinetic and equilibrium studies. <i>Applied Water Science</i> , 2018, 8, 1.	5.6	39
20	Association of As, Pb, Cr, and Zn urinary heavy metals levels with predictive indicators of cardiovascular disease and obesity in children and adolescents. <i>Chemosphere</i> , 2022, 294, 133664.	8.2	38
21	Fluoride removal using Regenerated Spent Bleaching Earth (RSBE) from groundwater: Case study on Kuhbonan water. <i>Desalination</i> , 2011, 277, 244-249.	8.2	36
22	Preparation and characterization of TiO <sub>2</sub> incorporated 13X molecular sieves for photocatalytic removal of acetaminophen from aqueous solutions. <i>Chemical Engineering Research and Design</i> , 2016, 104, 334-345.	5.6	36
23	Investigation of the efficiency of microbial desalination cell in removal of arsenic from aqueous solutions. <i>Desalination</i> , 2018, 438, 19-23.	8.2	36
24	Removal of phenol from steel wastewater by combined electrocoagulation with photo-Fenton. <i>Water Science and Technology</i> , 2018, 78, 1260-1267.	2.5	34
25	CoFe <sub>2</sub> O <sub>4</sub> @Methylcellulose as a New Magnetic Nano Biocomposite for Sonocatalytic Degradation of Reactive Blue 19. <i>Journal of Polymers and the Environment</i> , 2021, 29, 2660-2675.	5.0	34
26	CoFe <sub>2</sub> O <sub>4</sub> @methylcellulose synthesized as a new magnetic nanocomposite to tetracycline adsorption: modeling, analysis, and optimization by response surface methodology. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	33
27	Nitrate removal from aqueous solutions by nanofiltration. <i>Desalination and Water Treatment</i> , 2011, 29, 326-330.	1.0	32
28	Removal of metoprolol from water by sepiolite-supported nanoscale zero-valent iron. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3490-3499.	6.7	32
29	Evaluating Nanoparticles Decorated on Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> -Schiff Base (Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> -APTMS-HBA) in Adsorption of Ciprofloxacin from Aqueous Environments. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3540-3551.	3.7	32
30	NICKEL (II) REMOVAL FROM INDUSTRIAL PLATING EFFLUENT BY FENTON PROCESS. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 837-842.	0.6	32
31	A facile and green method for synthesis of ZnFe <sub>2</sub> O <sub>4</sub> @CMC as a new magnetic nanophotocatalyst for ciprofloxacin removal from aqueous media. <i>MethodsX</i> , 2019, 6, 1575-1580.	1.6	30
32	Purification of diazinon pesticide by sequencing batch moving-bed biofilm reactor after ozonation/Mg-Al layered double hydroxides pre-treated effluent. <i>Separation and Purification Technology</i> , 2020, 242, 116754.	7.9	30
33	Efficiency of ozonation process with calcium peroxide in removing heavy metals (Pb, Cu, Zn, Ni, Cd) from aqueous solutions. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	30
34	Ciprofloxacin removal by electro-activated persulfate in aqueous solution using iron electrodes. <i>Applied Water Science</i> , 2019, 9, 1.	5.6	29
35	Bacterial-aerosol emission from wastewater treatment plant. <i>Desalination and Water Treatment</i> , 2013, 51, 4478-4488.	1.0	28
36	Investigation of physicochemical parameters in drinking water resources and health risk assessment: a case study in NW Iran. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	2.7	28

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37	Removal of nonylphenol from aqueous solutions using carbonized date pits modified with ZnO nanoparticles. , 0, 141, 140-148.		28
38	Experimental data on the removal of phenol by electro-H <sub>2</sub> O <sub>2</sub> in presence of UV with response surface methodology. MethodsX, 2019, 6, 1188-1193.	1.6	27
39	Efficiency of novel Fe/charcoal/ultrasonic micro-electrolysis strategy in the removal of Acid Red 18 from aqueous solutions. Journal of Environmental Chemical Engineering, 2020, 8, 103553.	6.7	27
40	Removal of Phenol from Steel Plant Wastewater in Three Dimensional Electrochemical (TDE) Process using CoFe <sub>2</sub> O <sub>4</sub> @AC/H <sub>2</sub> O <sub>2</sub> . Zeitschrift Fur Physikalische Chemie, 2020, 234, 1661-1679.	2.8	26
41	Optimization of ciprofloxacin removal from aqueous solutions by a novel semi-fluid Fe/charcoal micro-electrolysis reactor using response surface methodology. Chemical Engineering Research and Design, 2019, 123, 299-308.	5.6	25
42	Evaluation of the activated carbon coated with multiwalled carbon nanotubes in removal of ciprofloxacin from aqueous solutions. Applied Water Science, 2020, 10, 1.	5.6	25
43	Heavy metals bioaccumulation in fish of southern Iran and risk assessment of fish consumption. Environmental Health Engineering and Management, 2016, 3, 61-68.	0.7	25
44	Metronidazole adsorption on CoFe <sub>2</sub> O <sub>4</sub> /activated carbon@chitosan as a new magnetic biocomposite: modelling, analysis, and optimization by response surface methodology. , 0, 164, 215-227.		25
45	Synthesis and stabilization of ZnO nanoparticles on a glass plate to study the removal efficiency of acid red 18 by hybrid advanced oxidation process (ultraviolet/ZnO/ultrasonic). , 0, 170, 325-336.		25
46	Removal efficiency of nickel and lead from industrial wastewater using microbial desalination cell. Applied Water Science, 2017, 7, 3617-3624.	5.6	24
47	Spatial distribution and correlations among elements in smaller than 75µm street dust: ecological and probabilistic health risk assessment. Environmental Geochemistry and Health, 2021, 43, 567-583.	3.4	24
48	Removal of bisphenol A from aqueous solutions by modified-carbonized date pits by ZnO nano-particles. , 0, 95, 144-151.		23
49	Photocatalytic degradation of the antibiotic ciprofloxacin by ZnO nanoparticles immobilized on a glass plate. , 0, , 304-314.		22
50	Investigation of single-walled carbon nanotubes in removal of Penicillin G (Benzyl penicillin sodium) from aqueous environments. , 0, 124, 248-255.		22
51	Pd nanoparticles supported on Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> -Schiff base as an efficient magnetically recoverable nanocatalyst for Suzuki-Miyaura coupling reaction. Research on Chemical Intermediates, 2020, 46, 4595-4609.	2.7	21
52	Investigation of adsorption efficiency of Cu <sup>2+</sup> and Zn <sup>2+</sup> by red soil and activated bentonite from acid copper mine drainage. , 0, 144, 172-184.		18
53	Preparation and characterization of modified sepiolite for the removal of Acid green 20 from aqueous solutions: isotherm, kinetic and process optimization. Applied Water Science, 2018, 8, 1.	5.6	16
54	Removal of ciprofloxacin from aqueous solution by electro-activated persulfate oxidation using aluminum electrodes. Water Science and Technology, 2019, 80, 587-596.	2.5	16

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55	Degradation and removal of p-nitroaniline from aqueous solutions using a novel semi-fluid Fe/charcoal micro-electrolysis reactor. Korean Journal of Chemical Engineering, 2019, 36, 217-225.	2.7	16
56	Optimizing the photocatalytic process of removing diazinon pesticide from aqueous solutions and effluent toxicity assessment via a response surface methodology approach. Rendiconti Lincei, 2019, 30, 155-165.	2.2	15
57	Removal of heavy metals by Escherichia coli (E. coli) biofilm placed on zeolite from aqueous solutions (case study: the wastewater of Kerman Bahonar Copper Complex). Applied Water Science, 2020, 10, 1.	5.6	15
58	Adsorption of Sulfur Dioxide on Clinoptilolite/Nano Iron Oxide and Natural Clinoptilolite. Health Scope, 2019, In Press, .	0.6	15
59	Radon concentration in drinking water in villages nearby Rafsanjan fault and evaluation the annual effective dose. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 1167-1176.	1.5	14
60	Modeling photocatalytic degradation of diazinon from aqueous solutions and effluent toxicity risk assessment using Escherichia coli LMG 15862. AMB Express, 2018, 8, 59.	3.0	14
61	Comparison of Optimal Hedging Policies for Hydropower Reservoir System Operation. Water (Switzerland), 2019, 11, 121.	2.7	14
62	Ionic liquid-assisted sol-gel synthesis of Fe <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> for enhanced photocatalytic degradation of bisphenol a under UV illumination: Modeling and optimization using response surface methodology. Optik, 2020, 204, 164229.	2.9	14
63	Ciprofloxacin removal from aqueous media by adsorption process: a systematic review and meta-analysis. , 0, 229, 252-282.		14
64	Efficiency investigation of photo-Fenton process in removal of sodium dodecyl sulphate from aqueous solutions. Desalination and Water Treatment, 2016, 57, 24444-24449.	1.0	13
65	Photooxidation Process Efficiency (UV/O <sub>3</sub> ) for p-nitroaniline Removal from Aqueous Solutions. Ozone: Science and Engineering, 2020, 42, 420-427.	2.5	13
66	Removal efficiency of phenol by ozonation process with calcium peroxide from aqueous solutions. Applied Water Science, 2021, 11, 1.	5.6	13
67	Correlation between heavy metal concentration and oxidative potential of street dust. Air Quality, Atmosphere and Health, 2022, 15, 731-738.	3.3	13
68	Efficiency of perlite as a low cost adsorbent applied to removal of Pb and Cd from paint industry effluent. Desalination and Water Treatment, 2011, 26, 243-249.	1.0	12
69	Optimization of photochemical decomposition acetamiprid pesticide from aqueous solutions and effluent toxicity assessment by Pseudomonas aeruginosa BCRC using response surface methodology. AMB Express, 2017, 7, 159.	3.0	12
70	The removal of tetracycline with biogenic CeO <sub>2</sub> nanoparticles in combination with US/PMS process from aqueous solutions: kinetics and mechanism. Water Science and Technology, 2021, 83, 1470-1482.	2.5	12
71	Removal of lead from battery industry wastewater by Chlorella vulgaris as green micro-algae (Case) Tj ETQq1 1 0.784314 rgBJ <sub>12</sub> /Overlo		12
72	Hexavalent chromium removal by titanium dioxide photocatalytic reduction and the effect of phenol and humic acid on its removal efficiency. International Journal of Environmental Health Engineering, 2015, 4, 19.	0.4	10

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73	How to use composite indicator and linear programming model for determine sustainable tourism. Journal of Environmental Health Science & Engineering, 2017, 15, 9.	3.0	9
74	Biogenic Silver Nanoparticles/Hydrogen Peroxide/Ozone: Efficient Degradation of Reactive Blue 19. BioNanoScience, 2020, 10, 34-41.	3.5	9
75	Determination and seasonal analysis of physicochemical characterization and metal(oid)s of landfill leachate in Bushehr port along the Persian Gulf. Toxin Reviews, 2023, 42, 161-175.	3.4	9
76	Synthesis of Fe <sub>3</sub> O <sub>4</sub> @PAC as a magnetic nano-composite for adsorption of dibutyl phthalate from the aqueous medium: Modeling, analysis and optimization using the response surface methodology. Surfaces and Interfaces, 2022, 31, 101981.	3.0	9
77	Degradation of p-nitroaniline from aqueous solutions using ozonation/Mg-Al layered double hydroxides integrated with the sequencing batch moving bed biofilm reactor. Journal of the Taiwan Institute of Chemical Engineers, 2020, 113, 241-252.	5.3	8
78	Urban Dust Fall Concentration and Its Properties in Kerman City, Iran. Health Scope, 2013, 1, 192-198.	0.6	8
79	Comparison Studies of Raw and Oxidized Multi-Walled Carbon Nanotubes H <sub>2</sub> SO <sub>4</sub> /HNO <sub>3</sub> to Remove p-Nitroaniline from Aqueous Solution. Journal of Water Chemistry and Technology, 2018, 40, 327-333.	0.6	7
80	Preparation and characterization of Fe/TiO <sub>2</sub> in the presence of ionic liquid to optimize the photocatalytic degradation of acetaminophen using the response surface methodology. Journal of Materials Science: Materials in Electronics, 2019, 30, 14878-14889.	2.2	7
81	Effect of titanium dioxide nanoparticles on DNA methylation of human peripheral blood mononuclear cells. Toxicology Research, 2021, 10, 1045-1051.	2.1	7
82	A comparison of the effectiveness of electrocoagulation to coagulation processes using ferric chloride for the removal of cadmium from aqueous solution. , 0, 78, 215-220.		7
83	Investigating the use of ozonation process with calcium peroxide for the removal of metronidazole antibiotic from aqueous solutions. , 0, 77, 315-320.		7
84	Management of Non-Revenue Water in Distribution Network and Conveyor Lines; a Case Study. Health Scope, 2012, 1, 147-152.	0.6	7
85	Study of radon concentration of drinking water sources in adjacent areas of Sabzevaran fault. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 1437-1446.	1.5	6
86	Studying radon concentration in drinking water resources in Zarand city (Iran) and its villages. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 33-39.	1.5	6
87	Degradation of Ciprofloxacin Using Ultrasound/ZnO/Oxone Process from Aqueous Solution-Lab-Scale Analysis and Optimization. BioNanoScience, 2021, 11, 306-313.	3.5	6
88	Determination of radon concentration in drinking water resources of villages nearby Lalehzar fault and evaluation the annual effective dose. Journal of Radioanalytical and Nuclear Chemistry, 2015, 304, 805-815.	1.5	5
89	Evaluation of Clay Soil Efficacy Carrying Zero-Valent Iron Nanoparticles to Remove Nitrate From Aqueous Solutions. Journal of Water Chemistry and Technology, 2019, 41, 29-35.	0.6	5
90	Removal Efficiency of Cu <sup>2+</sup> and Zn <sup>2+</sup> from Industrial Wastewater by Using Microbial Desalination Cell. Journal of Water Chemistry and Technology, 2019, 41, 334-339.	0.6	5

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91	[TBP]2SO <sub>4</sub> ionic liquid catalyst for 4MCR of pyridazinoindazole, indazolophthalazine and pyrazolophthalazine derivatives. <i>Molecular Diversity</i> , 2020, , 1.	3.9	5
92	Electrochemical determination of hydroxylamine in water samples using modified screen-printed electrode with TiO <sub>2</sub> /GO. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 35-47.	3.3	5
93	Investigating the removal of tetracycline antibiotic from aqueous solution using synthesized Fe <sub>3</sub> O <sub>4</sub> @cuttlebone magnetic nanocomposite. , 0, 221, 343-358.		5
94	Novel catalytic degradation of Diazinon with ozonation/mg-Al layered double hydroxides: optimization, modeling, and dispersive liquid-liquid microextraction. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2021, 19, 1299-1311.	3.0	5
95	Advanced treatment of effluent extended aeration process using biological aerated filter (BAF) with natural media: modification in media, design and backwashing process. <i>AMB Express</i> , 2021, 11, 100.	3.0	5
96	Use of bauxite from active Iranian mines for the removal of fluoride from drinking water. <i>Environmental Health Engineering and Management</i> , 2017, 4, 217-224.	0.7	5
97	Removal of cyanide from synthetic wastewater by combined coagulation and advanced oxidation process. , 0, 133, 204-211.		5
98	Synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles @Trioctylmethylammonium thiosalicylat (TOMATS) as a new magnetic nanoadsorbent for adsorption of ciprofloxacin in aqueous solution. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, 235, 885-908.	2.8	4
99	Investigation of type and density of bio-aerosols in air samples from educational hospital wards of Kerman city, 2014. <i>Environmental Health Engineering and Management</i> , 2016, 3, 197-202.	0.7	4
100	Removal of Tetracycline Antibiotic From Aqueous Solutions Using Modified Pumice With Magnesium Chloride. <i>Jentashapir Journal of Health Research</i> , 2016, In Press, .	0.2	4
101	INVESTIGATION OF AMMONIUM ION ADSORPTION ONTO REGENERATED SPENT BLEACHING EARTH: PARAMETERS AND EQUILIBRIUM STUDY. <i>Environmental Engineering and Management Journal</i> , 2016, 15, 773-782.	0.6	4
102	Isotherms and kinetics studies of biosorption nickel (II) and chromium (VI) from aqueous solution by dried activated sludge. <i>International Journal of Environmental Health Engineering</i> , 2012, 1, 2.	0.4	4
103	Ecological and Probabilistic Health Risk Assessment of Heavy Metals in Topsoils, Southeast of Iran. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 108, 737-744.	2.7	4
104	Introducing new and effective catalysts for the synthesis of pyridazino[1,2-a]indazole, indazolo[2,1-b]phthalazine and pyrazolo[1,2-b]phthalazine derivatives. <i>MethodsX</i> , 2020, 7, 100823.	1.6	3
105	Effects of pistachio processing wastewater on treatment efficiency of urban wastewater using activated sludge process. <i>Environmental Health Engineering and Management</i> , 2018, 5, 167-174.	0.7	3
106	O <sub>3</sub> /UV photo-oxidation process for the removal of reactive yellow 3 dye from wastewater. , 0, 81, 322-326.		3
107	Risk assessment of pesticides in agriculture farms Jiroft city and effect of drinking water resources using Arc-GIS software. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-15.	3.3	3
108	Performance evaluation of household water treatment systems used in Kerman for removal of cations and anions from drinking water. <i>Applied Water Science</i> , 2017, 7, 4437-4447.	5.6	2



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109	Investigating the use of ozonation process with calcium peroxide for the removal of reactive blue 19 dye from textile wastewater. , 0, 118, 336-341.		2
110	Potential impact of global warming on river runoff coming to Jor reservoir, Malaysia by integration of LARS-WG with artificial neural networks. Environmental Health Engineering and Management, 2019, 6, 139-149.	0.7	2
111	Phenol Removal from Aqueous Solution by Adsorption Process: Study of The Nanoparticles Performance Prepared from Alo vera and Mesquite (Prosopis) Leaves. Scientia Iranica, 2017, .	0.4	2
112	Synergetic metronidazole removal from aqueous solutions using combination of electro-persulfate process with magnetic Fe <sub>3</sub> O <sub>4</sub> @AC nanocomposites: nonlinear fitting of isotherms and kinetic models. Zeitschrift Fur Physikalische Chemie, 2021, 235, 1297-1321.	2.8	2
113	Study of the Efficiency of Proxone Method as Advanced Oxidation Process to Remove 4-Chlorophenol from Aqueous Solution. Majallah-i Dānishgāh-i Ārshād-i Pizishk-i Ālī, 2017, 25, 133-143.	0.0	1
114	Green synthesis and application of heterogeneous iron oxide based nanoparticles for dairy wastewater treatment by Photo-Fenton processes. Zeitschrift Fur Physikalische Chemie, 2021, 235, 683-705.	2.8	1
115	Sulfate concentration effects on organic load and major effective parameters in stabilization ponds: A case study. , 0, 75, 79-84.		0
116	Evaluation of reverse osmosis for improving quality of water utilized in hemodialysis devices (case) Tj ETQq0 0 0 rgBT /Overlogk 10 Tf 50		
117	Green synthesis and application of heterogeneous iron oxide based nanoparticles for dairy wastewater treatment by Photo-Fenton processes. Zeitschrift Fur Physikalische Chemie, 2020, .	2.8	0