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DOI: 10.1021/acs.est.5b03595 Environmental Science & Samp; Technology, 2015, 49, 12941-50

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260	Facile fabrication of surface vulcanized Co-Fe spinel oxide nanoparticles toward efficient 4-nitrophenol destruction 2022 , 430, 128433		5
259	Self-Enhanced Selective Oxidation of Phosphonate into Phosphate by Cu(II)/HO: Performance, Mechanism, and Validation <i>Environmental Science & Environmental Science & Enviro</i>	10.3	1
258	Peroxymonosulfate Activation by Oxygen Vacancies-Enriched Mxene Nano-Co3o4 Co-Catalyst for Efficient Degradation of Refractory Organic Matter: Efficiency, Mechanism, and Stability.		

257	Degradation of 1-Naphthylamine by Allv Enhanced Fe2+/Oxone System: A Novel Ph-Dependent Activation Pathway.	
256	Degradation of Bisphenol a Using Peroxymonosulfate Activated by Single-Atomic Cobalt Catalysts: Different Reactive Species at Acidic and Alkaline Ph.	
255	A Copper-Loaded N-Doped Carbon Catalyst with Mesoporous Hollow Sphere Structure for Bisphenol a Removing Via Peroxymonosulfate Activation.	
254	A Comparative Study of Activation of Peroxymonosulfate and Peroxydisulfate by Greigite (Fe3s4) for the Degradation of Sulfamethazine in Water.	
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250	Peroxymonosulfate Activation by Oxygen Vacancies-Enriched Mxene Nano-Co3o4 Co-Catalyst for Efficient Degradation of 1,4-Dioxane: Efficiency, Mechanism, and Stability.	
249	Evaluation of N-doped carbon for the peroxymonosulfate activation and removal of organic contaminants from livestock wastewater and groundwater.	4
248	Reactive Oxygen Species Regulation and Synergistic for Effective Water Purification through Fenton-like Catalysis on Single-Atom Cu-N Sites.	2
247	Identification of Fenton-like active Cu sites by heteroatom modulation of electronic density 2022 , 119,	22
246	Determining Active Agents, Stability, and Mechanism of Diazinon Degradation by Magnetic Copper Ferrite Nanoparticles and Potassium Hydrogen Monopersulfate in the Presence of Ozone in Aqueous Solutions. 2022 , 14,	
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241	Nonradical Activation of Peroxydisulfate with In Situ Generated Amorphous MnO2 in an Electro-Permanganate Process: Involvement of Singlet Oxygen, Electron Transfer, and Mn(III)aq.	О
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238	Oilfield Wastewater Treatment in Anode and Sunlight/ Persulfate Composite Oxidation System.	
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230	PMS activation over MoS2/Co0.75Mo3S3.75 for RhB pollutant oxidation removal in fuel cell system. 2022 , 10, 107449	1
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228	Carbon nanotube-based materials for persulfate activation to degrade organic contaminants: Properties, mechanisms and modification insights 2022 , 431, 128536	3
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223	Activation of peroxymonosulfate by MnO2 with oxygen vacancies: Degradation of organic compounds by electron transfer nonradical mechanism. 2022 , 10, 107481	2
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217	Comparative study on heterogeneous activation of peroxydisulfate and peroxymonosulfate with black carbon derived from coal tar residues: Contribution of free radical, O and surface-bound radicals 2022 , 433, 128819	O
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214	Highly effective dehalogenation and detoxification of trihalophenols by activated peroxydisulfate with black carbon derived from coal tar. 2022 , 440, 135958	O
213	Efficient peroxymonosulfate activation by CuO-Fe2O3/MXene composite for atrazine degradation: Performance, coexisting matter influence and mechanism. 2022 , 440, 135863	3
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210	A comparison of SMX degradation by persulfate activated with different nanocarbons: Kinetics, transformation pathways, and toxicity. 2022 , 310, 121345	1
209	Efficient organics heterogeneous degradation by spinel CuFeO supported porous carbon nitride catalyst: Multiple electron transfer pathways for reactive oxygen species generation 2022 , 300, 134511	О
208	Recent progress of functional Metal-Organic framework materials for water treatment using sulfate radicals 2022 , 112956	1
207	Origins of Electron-Transfer Regime in Persulfate-Based Nonradical Oxidation Processes <i>Environmental Science & Environmental Science & Environmenta</i>	38
206	Development, dilemma and potential strategies for the application of nanocatalysts in wastewater catalytic ozonation: A review. 2023 , 124, 330-349	3
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199	Mechanical Insights into Activation of Peroxides by Quinones: Formation of Oxygen-Centered Radicals or Singlet Oxygen <i>Environmental Science & Environmental Science & Envir</i>	0.3	О
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186	Visible-Light-Assisted Peroxydisulfate Activation Over Ag6si2o7/Cu(Ii)-Modified Palygorskite Composite for the Effective Degradation of Organic Pollutants by Radical and Nonradical Pathways.		

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180	Enhancement of peroxymonosulfate activation by sinapic acid accelerating Fe(III)/Fe(II) cycle. 2022 , 446, 137177	O
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178	Insights into the removal of organic contaminants by calcium sulfite activation with Fe(III): Performance, kinetics, and mechanisms. 2022 , 118792	O
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137	Outlook on Single Atom Catalysts for Persulfate-Based Advanced Oxidation.	2
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134	High-efficiency removal of antibiotic pollutants by magnetic carbon aerogel: Inherent roles of adsorption synergistic catalysis. 2022 , 375, 134105	Ο
133	Enhanced mechanism of carbamazepine degradation by electrochemical activation of persulfate in flow-through system. 2022 , 301, 122021	Ο
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114	N,P-co-doped carbocatalyst from olive pomace obtained by catalytic hydrothermal carbonization for efficient dye degradation via persulfate-based advanced oxidation process.	O

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109	Facilitating peroxymonosulfate activation for effective antibiotics degradation from drinking water by photoelectrocatalytic system using MoS2 embedded carbon substrate. 2022 , 139591	0
108	Singlet oxygen generation for selective oxidation of emerging pollutants in a flow-by electrochemical system based on natural air diffusion cathode.	O
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97	Synergistic activation of peroxymonosulfate by nickel-cobalt hexacyanoferrate derived hybrid metal oxides for efficient sulfamethoxazole degradation. 2023 , 656, 130343	0
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93	MOF-templated hollow cobalt sulfide as an enhanced Oxone activator for degradation of UV Absorber: Key role of sulfur Vacancy-Induced highly active CoII sites. 2023 , 453, 139699	1
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90	Facile synthesis of N-rich carbon nanosheets derived from antibiotic mycelial dregs as efficient catalysts for peroxymonosulfate activation. 2023 , 306, 122571	O
89	Peroxymonosulfate activation by suspended biogenic manganese oxides for polishing micropollutants in wastewater effluent. 2023 , 306, 122501	1
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69	Constructing thin BiOCl nanoplates for highly efficient photocatalytic peroxymonosulfate activation: In-depth understanding of the activation process. 2023 , 307, 122771	O
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66	Highly selective production of singlet oxygen by manipulating the spin state of single-atom Co N moieties and electron localization. 2023 , 324, 122248	O
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60	Insight into Nitrogen Doped Waste-Tire Carbon for Radical and Nonradical Oxidation via a Probe-Based Kinetic Model. 2023 , 3, 129-138	O

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58	Promoted generation of singlet oxygen by oxygen vacancies-enriched Co3O4/g-C3N4 catalyst for efficient degradation of phenanthrene. 2023 , 130958	Ο
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