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Influence of pH on the formation of sulfate and hydroxyl radicals in the UV/peroxymonosulfate system

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#	Paper	IF	Citations
897	Sulfate Radical-Mediated Degradation of Sulfadiazine by CuFeO <sub>2</sub> Rhombohedral Crystal-Catalyzed Peroxymonosulfate: Synergistic Effects and Mechanisms.		
896	.		
895	Degradation of Trichloromethane by the Combination of UV Irradiation and Peroxymonosulfate. <b>2012</b> , 518-523, 2479-2483		2
894	Bromate formation from bromide oxidation by the UV/persulfate process. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 8976-83	10.3	211
893	Removal of iopromide and degradation characteristics in electron beam irradiation process. <b>2012</b> , 227-228, 126-34		32
892	Reactive Species. <b>2012</b> , 1-51		
891	Production of sulfate radical from peroxymonosulfate induced by a magnetically separable CuFe <sub>2</sub> O <sub>4</sub> spinel in water: efficiency, stability, and mechanism. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 2784-91	10.3	686
890	Comparison of Uv/PDS and UV/H <sub>2</sub> O <sub>2</sub> processes for the degradation of atenolol in water. <b>2013</b> , 25, 1519-28		30
889	Efficient degradation of atrazine by magnetic porous copper ferrite catalyzed peroxymonosulfate oxidation via the formation of hydroxyl and sulfate radicals. <b>2013</b> , 47, 5431-8		594
888	Synthesis of Magnetic Cobalt Nanoparticles Anchored on Graphene Nanosheets and Catalytic Decomposition of Orange II. <b>2013</b> , 52, 17341-17350		120
887	Destruction of cyanobacterial toxin cylindrospermopsin by hydroxyl radicals and sulfate radicals using UV-254nm activation of hydrogen peroxide, persulfate and peroxymonosulfate. <b>2013</b> , 251, 160-166		176
886	Degradation of antipyrine by UV, UV/H <sub>2</sub> O <sub>2</sub> and UV/PS. <b>2013</b> , 260, 1008-16		205
885	Effects of reduced sulfur compounds on Pd-catalytic hydrodechlorination of trichloroethylene in groundwater by cathodic H <sub>2</sub> under electrochemically induced oxidizing conditions. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 10502-9	10.3	5
884	Efficient degradation of contaminants of emerging concerns by a new electro-Fenton process with Ti/MMO cathode. <b>2013</b> , 93, 2796-804		72
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881	Catalytic degradation of caffeine in aqueous solutions by cobalt-MCM41 activation of peroxymonosulfate. <b>2013</b> , 134-135, 324-332		122

880	Degradation of antipyrine by heat activated persulfate. <b>2013</b> , 109, 122-128		120
879	Rapid acceleration of ferrous iron/peroxymonosulfate oxidation of organic pollutants by promoting Fe(III)/Fe(II) cycle with hydroxylamine. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 11685-91	10.3	465
878	A three-electrode column for Pd-catalytic oxidation of TCE in groundwater with automatic pH-regulation and resistance to reduced sulfur compound foiling. <b>2013</b> , 47, 269-78		46
877	Efficient removal of endosulfan from aqueous solution by UV-C/peroxides: a comparative study. <b>2013</b> , 263 Pt 2, 584-92		163
876	Degradation of the antiepileptic drug carbamazepine upon different UV-based advanced oxidation processes in water. <b>2013</b> , 222, 150-158		244
875	Facile Synthesis of Mn <sub>3</sub> O <sub>4</sub> /Reduced Graphene Oxide Hybrids for Catalytic Decomposition of Aqueous Organics. <b>2013</b> , 52, 3637-3645		142
874	Activation of persulfate by quinones: free radical reactions and implication for the degradation of PCBs. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 4605-11	10.3	494
873	Determination of U(VI) and U(IV) concentrations in aqueous samples containing strong luminescence quenchers using TRLFS. <b>2014</b> , 302, 1127-1136		4
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869	Ciprofloxacin oxidation by UV-C activated peroxymonosulfate in wastewater. <b>2014</b> , 265, 41-6		175
868	Zero-valent iron/persulfate(Fe <sup>0</sup> /PS) oxidation acetaminophen in water. <b>2014</b> , 11, 881-890		69
867	Kinetic and mechanism investigation on the photochemical degradation of atrazine with activated H <sub>2</sub> O <sub>2</sub> , S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> and HSO <sub>5</sub> <sup>-</sup> <b>2014</b> , 252, 393-403		324
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863	Comment on Electrolytic manipulation of persulfate reactivity by iron electrodes for TCE degradation in groundwater. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 4630-1	10.3	22

862	Efficient peroxydisulfate activation process not relying on sulfate radical generation for water pollutant degradation. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 5868-75	10.3	448
861	Kinetics and mechanisms of cylindrospermopsin destruction by sulfate radical-based advanced oxidation processes. <b>2014</b> , 63, 168-78		120
860	Application of full factorial design for methylene blue dye removal using heat-activated persulfate oxidation. <b>2014</b> , 45, 2597-2604		61
859	Peroxymonosulfate activation by phosphate anion for organics degradation in water. <b>2014</b> , 117, 582-5		122
858	Kinetics and efficiency of the hydrated electron-induced dehalogenation by the sulfite/UV process. <b>2014</b> , 62, 220-8		64
857	Electrolytic manipulation of persulfate reactivity by iron electrodes for trichloroethylene degradation in groundwater. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 656-63	10.3	173
856	Radical induced degradation of acetaminophen with Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles as heterogeneous activator of peroxymonosulfate. <b>2014</b> , 276, 452-60		345
855	Optimization of sonochemical degradation of tetracycline in aqueous solution using sono-activated persulfate process. <b>2015</b> , 13, 76		43
854	Identification of Active Radical Species in Alkaline Persulfate Oxidation. <b>2015</b> , 87, 656-9		28
853	Production of sulfate radical and hydroxyl radical by reaction of ozone with peroxymonosulfate: a novel advanced oxidation process. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 7330-9	10.3	324
852	Simulation and comparative study on the oxidation kinetics of atrazine by UV/H <sub>2</sub> O <sub>2</sub> /UV/HSO <sub>5</sub> <sup>-</sup> and UV/S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> . <b>2015</b> , 80, 99-108		203
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849	Impact of UV/persulfate pretreatment on the formation of disinfection byproducts during subsequent chlorination of natural organic matter. <b>2015</b> , 269, 203-211		72
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7 <sup>12</sup>	Participation of the Halogens in Photochemical Reactions in Natural and Treated Waters. <b>2017</b> , 22,	36
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7 <sup>09</sup>	Visible-light-driven photocatalytic activation of peroxymonosulfate by Cu(OH)PO for effective decontamination. <b>2018</b> , 201, 197-205	28
7 <sup>08</sup>	Enhanced activation process of persulfate by mesoporous carbon for degradation of aqueous organic pollutants: Electron transfer mechanism. <b>2018</b> , 231, 1-10	350
7 <sup>07</sup>	Degradation of ethyl paraben in aqueous medium using advanced oxidation processes: Efficiency evaluation of UV-C supported oxidants. <b>2018</b> , 180, 505-513	56
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7 <sup>05</sup>	On peroxymonosulfate-based treatment of saline wastewater: when phosphate and chloride co-exist.. <b>2018</b> , 8, 13865-13870	21
7 <sup>04</sup>	Sandwich-like Co <sub>3</sub> O <sub>4</sub> /MXene composite with enhanced catalytic performance for Bisphenol A degradation. <b>2018</b> , 347, 731-740	128
7 <sup>03</sup>	Oxidation of Organic Compounds in Water by Unactivated Peroxymonosulfate. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 5911-5919	10.3 306
7 <sup>02</sup>	Catalytic degradation of tetracycline hydrochloride by persulfate activated with nano FeO immobilized mesoporous carbon. <b>2018</b> , 341, 392-401	135
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563	Enhanced removal of benzothiazole in persulfate promoted wet air oxidation via degradation and synchronous polymerization. <b>2019</b> , 370, 208-217	9
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538	Peroxymonosulfate enhanced antibiotic removal and synchronous electricity generation in a photocatalytic fuel cell. <b>2019</b> , 298, 59-69	62
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524	Catalytic degradation of antibiotics by metal-free catalysis over nitrogen-doped graphene. <b>2020</b> , 357, 341-349	29
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518	Transformation and toxicity evolution of amlodipine mediated by cobalt ferrite activated peroxymonosulfate: Effect of oxidant concentration. <b>2020</b> , 382, 123005	15
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445	Elimination of atrazine through radical/non-radical combined processes by manganese nano-catalysts/PMS and implications to the structure-performance relationship. <b>2020</b> , 397, 125425	27
444	Acceleration of peroxymonosulfate decomposition by a magnetic MoS <sub>2</sub> /CuFe <sub>2</sub> O <sub>4</sub> heterogeneous catalyst for rapid degradation of fluoxetine. <b>2020</b> , 397, 125501	46
443	CaMnO <sub>3</sub> perovskite nanocrystals for efficient peroxydisulfate activation. <b>2020</b> , 398, 125638	19
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433	Oxidative degradation of Bisphenol A in aqueous solution using cobalt ion-activated peroxymonosulfate. <b>2020</b> , 313, 113569	10
432	A novel sulfite coupling electro-fenton reactions with ferrous sulfide cathode for anthracene degradation. <b>2020</b> , 400, 125945	11
431	Degradation of sulfadimethoxine in phosphate buffer solution by UV alone, UV/PMS and UV/H <sub>2</sub> O <sub>2</sub> : Kinetics, degradation products, and reaction pathways. <b>2020</b> , 398, 125357	30

430	Magnetic mesoporous FeCo <sub>2</sub> O <sub>4</sub> @Fe <sub>3</sub> O <sub>4</sub> microrods as novel peroxymonosulfate activators for effective metronidazole degradation. <b>2020</b> , 95, 3202-3212	7
429	Spongelike porous CuO as an efficient peroxymonosulfate activator for degradation of Acid Orange 7. <b>2020</b> , 521, 146479	21
428	The relation of interface electron transfer and PMS activation by the H-bonding interaction between composite metal and MCM-48 during sulfamethazine ozonation. <b>2020</b> , 398, 125529	21
427	Degradation Rhodamine B dye wastewater by sulfate radical-based visible light-fenton mediated by LaFeO <sub>3</sub> : Reaction mechanism and empirical modeling. <b>2020</b> , 111, 162-169	13
426	Piezo-catalytic persulfate activation system for water advanced disinfection: Process efficiency and inactivation mechanisms. <b>2020</b> , 400, 125894	24
425	Cobalt promoted bifunctional graphene composite (Co@pGSC) for heterogeneous peroxymonosulfate activation. <b>2020</b> , 399, 125752	6
424	Peroxymonosulfate/solar radiation process for the removal of aqueous microcontaminants. Kinetic modeling, influence of variables and matrix constituents. <b>2020</b> , 400, 123118	18
423	Facile synthesis of superparamagnetic $\gamma$ -CD-MnFeO as a peroxymonosulfate activator for efficient removal of 2,4- dichlorophenol: structure, performance, and mechanism. <b>2020</b> , 394, 122528	34
422	Degradation of emerging pharmaceutical micropollutants in municipal secondary effluents by low-pressure UVC-activated HSO <sub>5</sub> <sup>-</sup> and S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> AOPs. <b>2020</b> , 393, 124712	11
421	pH-dependent transformation products and residual toxicity evaluation of sulfamethoxazole degradation through non-radical oxygen species involved process. <b>2020</b> , 390, 124512	25
420	Ultraviolet light-mediated activation of persulfate for the degradation of cobalt cyanocomplexes. <b>2020</b> , 392, 122389	19
419	Photodegradation of Butyl 4-Hydroxybenzoate in the Presence of Peroxides and Mediated by Dissolved Organic Matter. <b>2020</b> , 37, 497-508	2
418	Bimetallic oxychloride as an efficient oxone activator: Radical and non-radical oxidation of non-steroidal anti-inflammatory drugs. <b>2020</b> , 400, 125921	0
417	Rapid transformation of H-antihistamines cetirizine (CET) and diphenhydramine (DPH) by direct peroxymonosulfate (PMS) oxidation. <b>2020</b> , 398, 123219	8
416	Low concentration peroxymonosulfate and UVA-LED combination for E. coli inactivation and wastewater disinfection from recirculating aquaculture systems. <b>2020</b> , 36, 101362	11
415	Fabrication of reactive flat-sheet ceramic membranes for oxidative degradation of ofloxacin by peroxymonosulfate. <b>2020</b> , 611, 118302	16
414	Mechanistic insights into complete oxidation of chlorobenzene to CO <sub>2</sub> via wet scrubber coupled with UV/PDS. <b>2020</b> , 401, 126077	8
413	Enhanced degradation of 5-sulfosalicylic acid using peroxymonosulfate activated by ordered porous silica-confined Co <sub>3</sub> O <sub>4</sub> prepared via a solvent-free confined space strategy. <b>2020</b> , 249, 116972	13



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410	Efficient heterogeneous activation of peroxymonosulfate by modified CuFe <sub>2</sub> O <sub>4</sub> for degradation of tetrabromobisphenol A. <b>2020</b> , 389, 124345	39
409	Novel magnetic rod-like Mn-Fe oxycarbide toward peroxymonosulfate activation for efficient oxidation of butyl paraben: Radical oxidation versus singlet oxygenation. <b>2020</b> , 268, 118549	58
408	Enhanced perfluorooctanoic acid degradation by electrochemical activation of peroxymonosulfate in aqueous solution. <b>2020</b> , 137, 105562	19
407	Degradation of sulphachloropyridazine sodium in column reactor packed with CoFe <sub>2</sub> O <sub>4</sub> /banded quartz sand via peroxymonosulfate activation: Insights into the amorphous phase, efficiency, and mechanism. <b>2020</b> , 390, 124549	16
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404	Persulfate-Based Advanced Oxidation: Critical Assessment of Opportunities and Roadblocks. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 3064-3081	10.3 605
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400	NiFe Layered Double Hydroxide (LDH) Nanosheet Catalysts with Fe as Electron Transfer Mediator for Enhanced Persulfate Activation. <b>2020</b> , 11, 968-973	22
399	Synergistic degradation of methylparaben on CuFe <sub>2</sub> O <sub>4</sub> -rGO composite by persulfate activation. <b>2020</b> , 823, 153757	23
398	Molten salt induced nitrogen-doped biochar nanosheets as highly efficient peroxymonosulfate catalyst for organic pollutant degradation. <b>2020</b> , 260, 114053	30
397	Freezing-enhanced non-radical oxidation of organic pollutants by peroxymonosulfate. <b>2020</b> , 388, 124226	11
396	Enhanced catalytic degradation of tetracycline antibiotic by persulfate activated with modified sludge bio-hydrochar. <b>2020</b> , 247, 125854	34
395	Metallic Active Sites on MoO(110) Surface to Catalyze Advanced Oxidation Processes for Efficient Pollutant Removal. <b>2020</b> , 23, 100861	53



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372	Formation of nitrophenolic byproducts in soils subjected to sulfate radical oxidation. <b>2021</b> , 403, 126316	5
371	Enhanced photocatalytic degradation of organic contaminants over CaFe <sub>2</sub> O <sub>4</sub> under visible LED light irradiation mediated by peroxymonosulfate. <b>2021</b> , 62, 34-43	31
370	Surface-active MnFeO@C cubes as enhanced peroxymonosulfate activators for efficient degradation of bisphenol A. <b>2021</b> , 538, 148008	9
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367	Removal of 2,6-dichlorophenol in water by CuO activated peroxymonosulfate: Efficiency, mechanism and degradation pathway. <b>2021</b> , 254, 117630	11
366	Effect of borate buffer on organics degradation with unactivated peroxymonosulfate: Influencing factors and mechanisms. <b>2021</b> , 256, 117841	10
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356	Enhanced degradation of triclosan by gamma radiation with addition of persulfate. <b>2021</b> , 180, 109273	1
355	Catalytic Oxidation of Dyeing Wastewater by Copper Oxide Activating Persulfate: Performance, Mechanism and Application. <b>2021</b> , 15, 1-10	5
354	Uncertainty and misinterpretation over identification, quantification and transformation of reactive species generated in catalytic oxidation processes: A review. <b>2021</b> , 408, 124436	65
353	Transformation of acetaminophen in solution containing both peroxymonosulfate and chlorine: Performance, mechanism, and disinfection by-product formation. <b>2021</b> , 189, 116605	13
352	Improving the microalgae inactivating efficacy of ultraviolet ballast water treatment in combination with hydrogen peroxide or peroxymonosulfate salt. <b>2021</b> , 162, 111886	6
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350	Enhanced degradation of 2,4,6-trichlorophenol by activated peroxymonosulfate with sulfur doped copper manganese bimetallic oxides. <b>2021</b> , 417, 128121	7
349	Degradation of roxarsone in UV-based advanced oxidation processes: A comparative study. <b>2021</b> , 410, 124558	10
348	Development of a VUV-UVC/p peroxymonosulfate, continuous-flow Advanced Oxidation Process for surface water disinfection and Natural Organic Matter elimination: Application and mechanistic aspects. <b>2021</b> , 408, 124634	5
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345	Direct oxidation of antibiotic trimethoprim by unactivated peroxymonosulfate via a nonradical transformation mechanism. <b>2021</b> , 263, 128194	7
344	New insights into stoichiometric efficiency and synergistic mechanism of persulfate activation by zero-valent bimetal (Iron/Copper) for organic pollutant degradation. <b>2021</b> , 403, 123669	18
343	Aminated N-doped graphene hydrogel for long-term catalytic oxidation in strong acidic environment. <b>2021</b> , 401, 123742	6
342	Synergistic photocatalytic and Fenton-like degradation of organic contaminants using peroxymonosulfate activated by CoFeO@-CN composite. <b>2021</b> , 42, 2240-2253	20
341	Sulfate radical-based advanced oxidation processes for industrial wastewater treatment. <b>2021</b> , 431-462	0

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337	Efficient Degradation of 2,4-Dichlorophenol on Activation of Peroxymonosulfate Mediated by MnO. <b>2021</b> , 107, 255-262	2
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334	Thermal reduction-assisted electronic structure tuning of perovskite oxide as catalyst for efficient advanced oxidation. <b>2021</b> , 207, 108577	4
333	Emerging Hexagonal MoC Nanosheet with (002) Facet Exposure and Cu Incorporation for Peroxymonosulfate Activation Toward Antibiotic Degradation. <b>2021</b> , 13, 14342-14354	22
332	Fabrication of Fe-doped cobalt zeolitic imidazolate framework derived from Co(OH) <sub>2</sub> for degradation of tetracycline via peroxymonosulfate activation. <b>2021</b> , 259, 118059	17
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330	The impact of chloride and chlorine radical on nitrite formation during vacuum UV photolysis of water. <b>2021</b> , 760, 143325	7
329	Bimetal oxalate-derived synthesis of laponite-decorated CoFe <sub>2</sub> O <sub>4</sub> porous nanostructures for activation of peroxymonopersulfate towards degradation of rhodamine B. <b>2021</b> , 96, 1936-1946	1
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325	Activation of Peroxymonosulfate by Chrysotile to Degrade Dyes in Water: Performance Enhancement and Activation Mechanism. <b>2021</b> , 11, 400	1
324	Highly Efficient Rhodamine B Decolorization by Pyrite/Peroxymonosulfate/Hydroxylamine System. <b>2021</b> , 232, 1	1
323	Clinoptilolite mediated activation of peroxymonosulfate through spherical dispersion and oriented array of NiFeO: Upgrading synergy and performance. <b>2021</b> , 407, 124736	10

322	Persulfate activation by MnCuS nanocomposites for degradation of organic pollutants. <b>2021</b> , 261, 118290	8
321	Cation deficiency tuned LaCoO <sub>3</sub> perovskite for peroxymonosulfate activation towards bisphenol A degradation. <b>2021</b> , 409, 128196	26
320	MOFs-derived magnetic C@Cu-Ni bimetal particles: An efficient peroxymonosulfate activator for 2,4,6-trichlorophenol degradation. <b>2021</b> , 269, 129394	7
319	Developing persulfate-activator soft solid (PASS) as slow release oxidant to remediate phenol-contaminated groundwater. <b>2021</b> , 22, 101396	2
318	Highly efficient hydrogen peroxide electrosynthesis on oxidized carbon nanotubes by thermally activated-persulfate. <b>2021</b> , 8, 136-136	1
317	A combined radical and non-radical oxidation processes for efficient degradation of Acid Orange 7 in the homogeneous Cu(II)/PMS system: important role of chloride. <b>2021</b> , 28, 51251-51264	4
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315	Surfactant-assisted removal of 2,4-dichlorophenol from soil by zero-valent Fe/Cu activated persulfate. <b>2021</b> ,	0
314	One-step synthesis of nitrogen and sulfur co-doped mesoporous graphite-like carbon nanosheets as a bifunctional material for tetracycline removal via adsorption and catalytic degradation processes: Performance and mechanism. <b>2021</b> , 412, 128521	21
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310	Carbonized polyaniline activated peroxymonosulfate (PMS) for phenol degradation: Role of PMS adsorption and singlet oxygen generation. <b>2021</b> , 286, 119921	64
309	Sunlight-driven activation of peroxymonosulfate by microwave synthesized ternary MoO/BiO/g-CN heterostructures for boosting tetracycline hydrochloride degradation.. <b>2021</b> , 272, 129807	18
308	Insight into sludge dewatering by advanced oxidation using persulfate as oxidant and Fe as activator: Performance, mechanism and extracellular polymers and heavy metals behaviors. <b>2021</b> , 288, 112476	9
307	Carbon framework-encapsulated copper oxide particles to activate peroxymonosulfate for the efficient degradation of tetracycline. <b>2021</b> , 552, 149424	15
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305	New Mechanistic Insights into the Transformation of Reactive Oxidizing Species in an Ultraviolet/Sulfite System under Aerobic Conditions: Modeling and the Impact of Mn(II). <b>2021</b> , 1, 1785-1795	7

304	Resistance of alkyl chloride on chloramphenicol to oxidative degradation by sulfate radicals: Kinetics and mechanism. <b>2021</b> , 415, 129041	5
303	Vanadium oxide-supported copper ferrite nanoparticles: A reusable and highly efficient catalyst for rhodamine B degradation via activation of peroxymonosulfate. <b>2021</b> , 35, e6367	1
302	Identification of step-by-step oxidation process and its driving mechanism in the peroxymonosulfate catalytically activated with redox metal oxides. <b>2021</b> , 131256	0
301	Highly dispersed and stabilized CoO/C anchored on porous biochar for bisphenol A degradation by sulfate radical advanced oxidation process. <b>2021</b> , 777, 145794	12
300	Aquaculture drug degradation in persulfate by PANI-based microparticles controlled via ultrasonic field: Forced motion of "burning hot micromotors". <b>2021</b> , 275, 130098	3
299	Peroxymonosulfate activation by localized electrons of ZnO oxygen vacancies for contaminant degradation. <b>2021</b> , 416, 128996	19
298	Accelerated organics degradation by peroxymonosulfate activated with biochar co-doped with nitrogen and sulfur. <b>2021</b> , 277, 130313	9
297	Crystallographic manganese oxides enhanced pyrene contaminated soil remediation in microwave activated persulfate system. <b>2021</b> , 417, 127916	6
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295	Facile synthesis of graphitic carbon nitride from acetic acid pretreatment to activate persulfate in presence of blue light for photocatalytic removal of metronidazole. <b>2021</b> , 276, 130171	2
294	Bisphenol S degradation by visible light assisted peroxymonosulfate process based on BiOI/B <sub>4</sub> C photocatalysts with Z-scheme heterojunction. <b>2021</b> , 417, 129188	17
293	Degradation of Tryptophan by UV Irradiation: Influencing Parameters and Mechanisms. <b>2021</b> , 13, 2368	0
292	Photocatalytic activation of peroxymonosulfate (PMS) by novel mesoporous Ag/ZnO@NiFeO nanorods, inducing radical-mediated acetaminophen degradation under UVA irradiation. <b>2021</b> , 277, 130271	15
291	Influence of sulfate and the interactions of major organic and inorganic solutes on the formation of nitrite during VUV photolysis of nitrate-rich water. <b>2021</b> , 9, 105756	0
290	Microcystis aeruginosa removal by peroxides of hydrogen peroxide, peroxymonosulfate and peroxydisulfate without additional activators. <b>2021</b> , 201, 117263	10
289	Importance of High-Valent Iron Complex and Reactive Radicals in Organic Contaminants Abatement by the Fe-TAML/Free Chlorine System.	3
288	N-doped graphitic CN nanosheets decorated with CoP nanoparticles: A highly efficient activator in singlet oxygen dominated visible-light-driven peroxymonosulfate activation for degradation of pharmaceuticals and personal care products. <b>2021</b> , 416, 125891	5
287	Degradation of glucocorticoids in water by a synergistic system of peroxymonosulfate, microbubble and dielectric barrier discharges. <b>2021</b> , 42, 102175	1



286	Practical use of response surface methodology for optimization of veterinary antibiotic removal using UV/H <sub>2</sub> O <sub>2</sub> process. <b>2021</b> , 94, 102174	1
285	Degradation of bisphenol A in aqueous environment using peroxymonosulfate activated with carbonate: Performance, possible pathway, and mechanism. <b>2021</b> , 9, 105419	5
284	Electron transfer enhancing Fe(II)/Fe(III) cycle by sulfur and biochar in magnetic FeS@biochar to active peroxymonosulfate for 2,4-dichlorophenoxyacetic acid degradation. <b>2021</b> , 417, 129238	29
283	Evidence for the involvement of Fe(IV) in water treatment by Fe(III)-activated sulfite. 1	0
282	Micropollutant abatement by the UV/chloramine process in potable water reuse: A review. <b>2022</b> , 424, 127341	3
281	Enhanced oxidative and adsorptive removal of thallium(I) using Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> decorated RGO nanosheets as persulfate activator and adsorbent. <b>2021</b> , 271, 118827	7
280	Photoinduced synthesis of green photocatalyst Fe <sub>3</sub> O <sub>4</sub> /BiOBr/CQDs derived from corncob biomass for carbamazepine degradation: The role of selectively more CQDs decoration and Z-scheme structure. <b>2021</b> , 420, 129705	24
279	Dual roles of biochar redox property in mediating 2,4-dichlorophenol degradation in the presence of Fe and persulfate. <b>2021</b> , 279, 130456	1
278	A Review of Manganese(III) (Oxyhydr)Oxides Use in Advanced Oxidation Processes. <b>2021</b> , 26,	0
277	Insights into the photocatalytic activation of peroxymonosulfate by visible light over BiOBr-cyclodextrin polymer complexes for efficient degradation of dye pollutants in water. <b>2021</b> , 112160	0
276	High-efficiency degradation of bisphenol A by heterogeneous MnFe layered double oxides through peroxymonosulfate activation: Performance and synergetic mechanism. <b>2021</b> , 270, 118770	19
275	A novel removal strategy of gaseous o-chlorotoluene with UV-activated persulfate sodium in a lab-scale bubble reactor. <b>2021</b> , 153, 37-46	0
274	Novel insights into enhanced dewaterability and consolidation characteristics of landfill sludge and fresh sludge conditioned by Fe activated sodium persulfate. <b>2021</b> , 296, 113196	3
273	Removal of levofloxacin through adsorption and peroxymonosulfate activation using carbothermal reduction synthesized nZVI/carbon fiber. <b>2021</b> , 280, 130626	14
272	CuO decorated natural rectorite as highly efficient catalyst for photoinduced peroxymonosulfate activation towards tetracycline degradation. <b>2021</b> , 317, 128441	6
271	Accelerated oxidation of the emerging brominated flame retardant tetrabromobisphenol S by unactivated peroxymonosulfate: The role of bromine catalysis and formation of disinfection byproducts. <b>2021</b> , 204, 117584	5
270	Formation of nitrosated and nitrated aromatic products of concerns in the treatment of phenols by the combination of peroxymonosulfate and hydroxylamine. <b>2021</b> , 282, 131057	1
269	Activation of peroxymonosulfate by CuFe <sub>2</sub> O <sub>4</sub> -CoFe <sub>2</sub> O <sub>4</sub> composite catalyst for efficient bisphenol A degradation: Synthesis, catalytic mechanism and products toxicity assessment. <b>2021</b> , 423, 130093	22



268	Degradation of an imidazolium-based ionic liquid in water using monopersulfate catalyzed by Dahlia flower-like cobalt oxide. <b>2021</b> , 274, 118668	0
267	Removal of saccharin by UV/persulfate process: Degradation kinetics, mechanism and DBPs formation. <b>2021</b> , 420, 113482	2
266	Degradation of norfloxacin by calcite activating peroxymonosulfate: Performance and mechanism. <b>2021</b> , 282, 131091	7
265	Evidence of heterogeneous degradation of PFOA by activated persulfate [FeS as adsorber and activator. <b>2021</b> , 423, 130102	4
264	Activation of peroxydisulfate by carbon nanotube for the degradation of 2,4-dichlorophenol: Contributions of surface-bound radicals and direct electron transfer. <b>2021</b> , 283, 131282	4
263	Pilot-scale study on photodegradation of benzophenone-3 and benzophenone-8 ultraviolet filters enriched synthetic effluent. <b>2021</b> , 44, 102327	0
262	Highly efficient activation of peroxymonosulfate by bismuth oxybromide for sulfamethoxazole degradation under ambient conditions: Synthesis, performance, kinetics and mechanisms. <b>2021</b> , 276, 119203	4
261	Mechanism of unactivated peroxymonosulfate-induced degradation of methyl parathion: Kinetics and transformation pathway. <b>2021</b> , 284, 131332	1
260	Effect of phosphate on peroxymonosulfate activation: Accelerating generation of sulfate radical and underlying mechanism. <b>2021</b> , 298, 120532	40
259	Fabrication of novel FeS <sub>2</sub> NWs/Ti <sub>3</sub> C <sub>2</sub> cathode for Photo-Electro-Fenton degradation of sulfamethazine. <b>2021</b> , 426, 130719	5
258	Disinfection by-product (DBP) research in China: Are we on the track?. <b>2021</b> , 110, 99-110	6
257	In-situ synthesis of highly dispersed Cu-Cu <sub>2</sub> O nanoparticles on porous carbon for the enhanced persulfate activation for phenol degradation. <b>2021</b> , 276, 119260	14
256	Nonradical activation of peroxymonosulfate by hematite for oxidation of organic compounds: A novel mechanism involving high-valent iron species. <b>2021</b> , 426, 130743	3
255	Investigating crystal plane effect of Co <sub>3</sub> O <sub>4</sub> with various morphologies on catalytic activation of monopersulfate for degradation of phenol in water. <b>2021</b> , 276, 119368	2
254	Anionic ligands driven efficient ofloxacin degradation over LaMnO <sub>3</sub> suspended particles in water due to the enhanced peroxymonosulfate activation. <b>2022</b> , 427, 130998	5
253	Co/PMS based sulfate-radical treatment for effective mineralization of spent ion exchange resin. <b>2022</b> , 287, 132351	1
252	Synthesis of core-heteroshell structure for ZIF-67/VTM and its efficient activation of peroxymonosulfate in treatment of levofloxacin from an aqueous solution. <b>2022</b> , 204, 111986	3
251	Catalytic degradation of antibiotic by Co nanoparticles encapsulated in nitrogen-doped nanocarbon derived from Co-MOF for promoted peroxymonosulfate activation. <b>2022</b> , 429, 132269	2

250	Revealing the heterogeneous activation mechanism of peroxydisulfate by CuO: the critical role of surface-binding organic substrates. <b>2022</b> , 802, 149833	1
249	Efficient degradation of tetracycline by singlet oxygen-dominated peroxymonosulfate activation with magnetic nitrogen-doped porous carbon.. <b>2022</b> , 115, 330-340	16
248	Inhibition of bromate formation in the ozone/peroxymonosulfate process by ammonia, ammonia-chlorine and chlorine-ammonia pretreatment: Comparisons with ozone alone. <b>2022</b> , 278, 119600	1
247	Visible light-driven g-CN peroxymonosulfate activation process for carbamazepine degradation: Activation mechanism and matrix effects. <b>2022</b> , 286, 131906	2
246	Bisphenol A degradation by peroxymonosulfate photo-activation coupled with carbon-based cobalt ferrite nanocomposite: Performance, upgrading synergy and mechanistic pathway. <b>2022</b> , 287, 132024	5
245	Confined-space strategy for anchoring catalytic nanoparticles on Si-OH by ball milling for enhanced O <sub>3</sub> /PMS oxidation of ciprofloxacin. <b>2022</b> , 429, 132318	0
244	Adding CuCoO-GO to inhibit bromate formation and enhance sulfamethoxazole degradation during the ozone/peroxymonosulfate process: Efficiency and mechanism. <b>2022</b> , 286, 131829	2
243	Boosting peroxymonosulfate activation via highly active and durable cobalt catalysts. <b>2021</b> , 9, 2308-2318	4
242	A novel Co(OH) <sub>2</sub> /Cu <sub>2</sub> O nanocomposite-activated peroxydisulfate for the enhanced degradation of tetracycline. <b>2021</b> , 45, 16705-16713	0
241	Peroxymonosulfate activation by tea residue biochar loaded with FeO for the degradation of tetracycline hydrochloride: performance and reaction mechanism.. <b>2021</b> , 11, 18525-18538	12
240	Interfacial CoAl <sub>2</sub> O <sub>4</sub> from ZIF-67@Al <sub>2</sub> O <sub>3</sub> pellets toward catalytic activation of peroxymonosulfate for metronidazole removal. <b>2020</b> , 397, 125339	35
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238	Elbaite catalyze peroxymonosulfate for advanced oxidation of organic pollutants: Hydroxyl groups induced generation of reactive oxygen species. <b>2020</b> , 398, 122932	8
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235	Kinetics and mechanisms of diniconazole degradation by MnO <sub>2</sub> activated peroxymonosulfate. <b>2021</b> , 119850	2
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231	Facile ball milling preparation of sulfur-doped carbon as peroxymonosulfate activator for efficient removal of organic pollutants. <b>2021</b> , 9, 106536	5
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226	Mesoporous carbon framework supported Cu-Fe oxides as efficient peroxymonosulfate catalyst for sustained water remediation. <b>2022</b> , 430, 133060	11
225	Reduced graphene oxide-supported hollow Co <sub>3</sub> O <sub>4</sub> @N-doped porous carbon as peroxymonosulfate activator for sulfamethoxazole degradation. <b>2022</b> , 430, 132951	11
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193	Monopersulfate in water treatment: Kinetics.. <b>2022</b> , 430, 128383	0
192	Facile Synthesis of CoFe <sub>2</sub> O <sub>4</sub> @Bc Activated Peroxymonosulfate for P-Nitrochlorobenzene Degradation: Matrix Effect and Toxicity Evaluation.	
191	Insights into vacuum preloading consolidation of landfill sludge based on Fe-activated sodium persulfate.. <b>2022</b> , 1	
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173	Solar Photo-Fenton Mediated by Alternative Oxidants for Mwwtp Effluent Quality Improvement: Impact on Microbial Community, Priority Pathogens and Removal of Antibiotic-Resistant Genes.	
172	Boosting Reactive Oxygen Species Generation Over Bi3o4br/Cubi2o4 by Activating Peroxymonosulfate Under Visible Light Irradiation.	
171	Synergistic Activation of Peroxymonosulfate between Co and Mno for Bisphenol a Degradation WithEnhanced Activity and Stability.	
170	Synthesis, Characterization, and Catalytic Application of Ellipsoid Copper Oxide for Perfluorooctanoic Acid Decomposition with Peroxymonosulfate Activation.	
169	Disparate Effects of Four Anions on the Non-Radical Oxidation Process of Sulfamethoxazole by Peroxymonosulfate: Kinetics, Mechanism and Toxicity Variation.	
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166	Gallic acid enhanced bisphenol A degradation through Fe3+/peroxymonosulfate process.	1
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163	Degradation of sulfadiazine by UV/Oxone: roles of reactive oxidative species and the formation of disinfection byproducts.. <b>2022</b> , 1	
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119	Vital Role of Synthesis Temperature in CoCu Layered Hydroxides and Their Fenton-like Activity for RhB Degradation. <b>2022</b> , 12, 646	
118	Oxone activated TiO2 in presence of UV-LED light for the degradation of moxifloxacin: A mechanistic study. <b>2022</b> , 104061	0
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116	Unraveling spongy Co3O4 mediated activation of peroxymonosulfate: Overlooked involvement of instantaneously produced high-valent-cobalt-oxo. <b>2022</b> , 305, 135323	1
115	Efficient Degradation of Health-threatening Organic Pollutants in Water by Atomically Dispersed Cobalt-Activated Peroxymonosulfate. <b>2022</b> , 138098	0
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113	Multiple Roles of Dissolved Organic Matter in Advanced Oxidation Processes. <i>Environmental Science &amp; Technology</i> ,	10.3 3
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