

Zhenbang Han

List of Publications by Year in descending order

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16
papers

533
citations

759233

12
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940533

16
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all docs

16
docs citations

16
times ranked

552
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper-iron bimetal modified PAN fiber complexes as novel heterogeneous Fenton catalysts for degradation of organic dye under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2011, 189, 241-248.	12.4	123
2	Preparation and photocatalytic performance of Fe (III)-amidoximated PAN fiber complex for oxidative degradation of azo dye under visible light irradiation. <i>Science of the Total Environment</i> , 2010, 408, 2245-2253.	8.0	101
3	Iron phthalocyanine supported on amidoximated PAN fiber as effective catalyst for controllable hydrogen peroxide activation in oxidizing organic dyes. <i>Journal of Hazardous Materials</i> , 2016, 320, 27-35.	12.4	52
4	Enhanced catalytic activity of Fe bimetallic modified PAN fiber complexes prepared with different assisted metal ions for degradation of organic dye. <i>Catalysis Today</i> , 2011, 175, 299-309.	4.4	45
5	Coordinative integration of copper (II) and iron (II) phthalocyanine into amidoximated PAN fiber for enhanced photocatalytic activity under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 333-343.	9.4	29
6	Iron phthalocyanine supported on amidoximated PAN fiber as effective catalyst for the photodegradation of organic dye under visible light irradiation. <i>Chemical Engineering Journal</i> , 2013, 228, 36-44.	12.7	26
7	Enhanced dye-sensitized photocatalysis for water purification by an alveoli-like bilayer Janus membrane. <i>Chemical Engineering Journal</i> , 2021, 407, 127214.	12.7	25
8	Comparative study on the mechanical and thermal properties of two different modified PAN fibers and their Fe complexes. <i>Materials & Design</i> , 2010, 31, 2784-2789.	5.1	24
9	Polyvinyl Alcohol Reinforced Flame-Retardant Polyacrylonitrile Composite Fiber Prepared by Boric Acid Cross-Linking and Phosphorylation. <i>Materials</i> , 2018, 11, 2391.	2.9	24
10	A comparative study of iron-based PAN fibrous catalysts for peroxydisulfate activation in decomposing organic contaminants. <i>Chemical Engineering Journal</i> , 2019, 358, 176-187.	12.7	22
11	MoS ₂ co-catalytic activation of H ₂ O ₂ by heterogeneous hemin catalyst under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 301-310.	9.4	17
12	A novel biomimetic catalyst constructed by axial coordination of hemin with PAN fiber for efficient degradation of organic dyes. <i>Journal of Materials Science</i> , 2018, 53, 4118-4131.	3.7	15
13	Photocatalytic degradation of formaldehyde by PAN nonwoven supported Fe catalysts under visible light irradiation. <i>New Journal of Chemistry</i> , 2017, 41, 9380-9387.	2.8	12
14	Enhanced photocatalytic performance of iron phthalocyanine/TiO ₂ heterostructure at joint fibrous interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126901.	4.7	10
15	Facile synthesis of amidoximated PAN fiber-supported TiO ₂ for visible light driven photocatalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 600, 124947.	4.7	5
16	Mechanical and thermal characterization of iron(II) 2,2'-bipyridine complex supported polyacrylonitrile fiber as a novel photocatalyst. <i>Polymer Engineering and Science</i> , 2015, 55, 1052-1058.	3.1	3