

Hao Peng

List of Publications by Year in descending order

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69
papers

1,871
citations

279487

23
h-index

288905

40
g-index

73
all docs

73
docs citations

73
times ranked

1174
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient oxidative-alkaline-leaching process of vanadium-chromium reducing residue and parameters optimization by response surface methodology. <i>Environmental Technology (United Kingdom)</i> , 2022, 43(14), 12777-12777.	0.784314	10
2	High-temperature sulfurized synthesis of Mn _x Cd _{1-x} S/S-kaolin composites for efficient solar-light driven H ₂ evolution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 632, 127772.	2.3	12
3	Efficient solar-light photocatalytic H ₂ evolution of Mn _{0.5} Cd _{0.5} S coupling with S,N-codoped carbon. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 106, 225-232.	2.9	10
4	Vanadium properties, toxicity, mineral sources and extraction methods: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1249-1263.	8.3	18
5	Efficient Recovery of Vanadium from High-Chromium Vanadium Slag with Calcium-Roasting Acidic Leaching. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 160.	0.8	5
6	High-temperature sulfurized synthesis of Mn _x Cd _{1-x} S composites for enhancing solar-light driven H ₂ evolution. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 9925-9933.	3.8	17
7	Removal and recovery of vanadium from waste by chemical precipitation, adsorption, solvent extraction, remediation, photo-catalyst reduction and membrane filtration. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1763-1776.	8.3	24
8	Vanadium recovery by glycine precipitation. <i>Environmental Chemistry Letters</i> , 2022, 20, 1569-1575.	8.3	5
9	A Clean Method for Vanadium (V) Reduction with Oxalic Acid. <i>Metals</i> , 2022, 12, 557.	1.0	3
10	Recovery of chromium by calcium-roasting, sodium-roasting, acidic leaching, alkaline leaching and sub-molten technology: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1383-1393.	8.3	19
11	Efficient Removal of Cr (VI) with Biochar and Optimized Parameters by Response Surface Methodology. <i>Processes</i> , 2021, 9, 889.	1.3	8
12	Thermodynamics Analysis and Removal of P in a P-(M)-H ₂ O System. <i>Molecules</i> , 2021, 26, 3342.	1.7	2
13	Efficient solar-light photodegradation of tetracycline hydrochloride using BiVO ₄ /MoO ₃ composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 621, 126599.	2.3	20
14	Efficient adsorption of ciprofloxacin using Ga ₂ S ₃ /S-modified biochar via the high-temperature sulfurization. <i>Bioresource Technology</i> , 2021, 334, 125238.	4.8	55
15	Solar-light induced photoreduction of CO ₂ using nonthermal plasma sulfurized MoO ₃ @MoS ₂ -CuS composites. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105469.	3.3	19
16	Thermodynamic and Kinetic Studies on Adsorption of Vanadium with Glutamic Acid. <i>ACS Omega</i> , 2021, 6, 21563-21570.	1.6	10
17	Nonthermal plasma sulfurized CuInS ₂ /S-doped MgO nanosheets for efficient solar-light photocatalytic degradation of tetracycline. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126900.	2.3	16
18	Efficient solar-light induced photocatalytic capacity of Mg-Al LDO coupled with N-defected g-C ₃ N ₄ . <i>Chemical Physics Letters</i> , 2021, 779, 138846.	1.2	11

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19	In ₂ S ₃ -NiS co-decorated MoO ₃ @MoS ₂ composites for enhancing the solar-light induced CO ₂ photoreduction activity. International Journal of Hydrogen Energy, 2021, 46, 36848-36858.	3.8	12
20	Efficient solar-light photocatalytic activity of FeS/S-doped MgO composites for tetracycline removal. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 127123.	2.3	16
21	S-defected In ₂ S ₃ /ZnS nanospheres for enhancing solar-light photocatalytic capacity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127126.	2.3	12
22	Synthesis of ZnFe ₂ O ₄ /B,N-codoped biochar via microwave-assisted pyrolysis for enhancing adsorption-photocatalytic elimination of tetracycline hydrochloride. Industrial Crops and Products, 2021, 172, 114066.	2.5	28
23	Novel Technology for Vanadium and Chromium Extraction with KMnO ₄ in an Alkaline Medium. ACS Omega, 2021, 6, 27478-27484.	1.6	8
24	Photocatalytic reduction of CO ₂ over Sm-doped TiO ₂ nanoparticles. Journal of Rare Earths, 2020, 38, 1297-1304.	2.5	33
25	Enhanced adsorption capacity of MgO/N-doped active carbon derived from sugarcane bagasse. Bioresource Technology, 2020, 297, 122413.	4.8	64
26	Adsorption of Chromium (III) on Melamine: Kinetic, Isotherm, Thermodynamics and Mechanism Analysis. IOP Conference Series: Earth and Environmental Science, 2020, 512, 012076.	0.2	7
27	Adsorption behavior of Fe (III) in aqueous solution on melamine. Water Science and Technology, 2020, 82, 1848-1857.	1.2	6
28	Removal of chromium from wastewater by membrane filtration, chemical precipitation, ion exchange, adsorption electrocoagulation, electrochemical reduction, electrodialysis, electrodeionization, photocatalysis and nanotechnology: a review. Environmental Chemistry Letters, 2020, 18, 2055-2068.	8.3	279
29	Leaching Kinetics of Vanadium from Calcium-Roasting High-Chromium Vanadium Slag Enhanced by Electric Field. ACS Omega, 2020, 5, 17664-17671.	1.6	11
30	One-pot synthesis of La ₂ O ₃ -decorated Mg-Al oxides nanosheets for solar-light driven photocatalytic activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 604, 125316.	2.3	6
31	Reduction behavior of chromium(VI) with oxalic acid in aqueous solution. Scientific Reports, 2020, 10, 17732.	1.6	15
32	Oxidative Leaching of Vanadium from Vanadium-chromium Reducing Residue with MnO ₂ . IOP Conference Series: Materials Science and Engineering, 2020, 730, 012041.	0.3	6
33	Step-Adsorption of Vanadium (V) and Chromium (VI) in the Leaching Solution with Melamine. Scientific Reports, 2020, 10, 6326.	1.6	18
34	Recovery and Separation of Vanadium and Chromium by Two-Step Alkaline Leaching Enhanced with an Electric Field and H ₂ O ₂ . ACS Omega, 2020, 5, 5340-5345.	1.6	19
35	A Novel Technology for Recovery and Separation of Vanadium and Chromium from Vanadium-Chromium Reducing Residue. Applied Sciences (Switzerland), 2020, 10, 198.	1.3	12
36	Oxidative Leaching Kinetics of Vanadium from the Vanadium-Chromium-Reducing Residue with K ₂ Cr ₂ O ₇ . ACS Omega, 2020, 5, 8777-8783.	1.6	15

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37	Enhanced photocatalytic capacity of ZnS@ZnO@Sm ₂ O ₃ composites for the removal of dyes and antibiotics in visible light region. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 88, 186-195.	2.9	28
38	Efficient whole-cell catalysis for 5-aminovalerate production from L-lysine by using engineered <i>Escherichia coli</i> with ethanol pretreatment. <i>Scientific Reports</i> , 2020, 10, 990.	1.6	16
39	A Fantasy and Magical Adsorbent for Heavy Metal Ions Removal: Melamine. <i>Journal of Physics: Conference Series</i> , 2020, 1699, 012019.	0.3	0
40	Carbon-coated Mg@Al layered double oxide nanosheets with enhanced removal of hexavalent chromium. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 53-64.	2.9	29
41	Recovery of vanadium with urea in acidic medium. <i>Environmental Chemistry Letters</i> , 2019, 17, 1867-1871.	8.3	9
42	A literature review on leaching and recovery of vanadium. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103313.	3.3	97
43	Secondary leaching of vanadium from vanadium tailing intensified with CaF ₂ . <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 233, 042048.	0.2	2
44	Enhancing the photocatalytic activity of Cu _{0.25} Zn _{0.75} S nanodisks by metallic Ag loading in the visible-light region. <i>RSC Advances</i> , 2019, 9, 13787-13796.	1.7	7
45	Effect of Surfactant on Water Content of Phosphogypsum. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1684.	1.3	2
46	Electrochemical Removal of Chromium (VI) from Wastewater. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1156.	1.3	26
47	Highly efficient oxidation of chromium (III) with hydrogen peroxide in alkaline medium. <i>Water Science and Technology</i> , 2019, 79, 366-374.	1.2	9
48	Sm ₂ O ₃ nanoparticles coated with N-doped carbon for enhanced visible-light photocatalysis. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 130, 180-188.	1.9	22
49	MgO nanosheets with N-doped carbon coating for the efficient visible-light photocatalysis. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 76, 288-295.	2.9	51
50	Efficient Removal of Hexavalent Chromium from Wastewater with Electro-Reduction. <i>Processes</i> , 2019, 7, 41.	1.3	43
51	N-Doped Carbon-Coated ZnS with Sulfur-Vacancy Defect for Enhanced Photocatalytic Activity in the Visible Light Region. <i>Nanomaterials</i> , 2019, 9, 1657.	1.9	35
52	Fractional removal of manganese and ammonia nitrogen from electrolytic metal manganese residue leachate using carbonate and struvite precipitation. <i>Water Research</i> , 2019, 153, 229-238.	5.3	143
53	Highly Efficient Recovery of Vanadium and Chromium: Optimized by Response Surface Methodology. <i>ACS Omega</i> , 2019, 4, 904-910.	1.6	20
54	Direct advanced oxidation process for chromium(III) with sulfate free radicals. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	12

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55	Core-shell Sm ₂ O ₃ @ZnO nano-heterostructure for the visible light driven photocatalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 560, 244-251.	2.3	46
56	High-efficient recovery of chromium (VI) with lead sulfate. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 85, 149-154.	2.7	35
57	Core-shell structured $\hat{\Gamma}$ -Fe ₂ O ₃ @CeO ₂ heterojunction for the enhanced visible-light photocatalytic activity. <i>Materials Research Bulletin</i> , 2018, 101, 20-28.	2.7	42
58	A green method to leach vanadium and chromium from residue using NaOH-H ₂ O ₂ . <i>Scientific Reports</i> , 2018, 8, 426.	1.6	16
59	Preparation and characterization of Cu _x Zn _{1-x} S nanodisks for the efficient visible light photocatalytic activity. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 9-18.	3.3	29
60	Leaching kinetics of vanadium from calcification roasting converter vanadium slag in acidic medium. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5119-5124.	3.3	35
61	Leaching of vanadium and chromium from converter vanadium slag intensified with surface wettability. <i>Journal of Central South University</i> , 2018, 25, 1317-1325.	1.2	19
62	Ag-decorated core-shell Sm ₂ O ₃ @TiO ₂ nanocomposites with enhanced visible-light photocatalytic performance. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 123, 206-215.	1.9	27
63	Enhanced photo-Fenton degradation of tetracycline using TiO ₂ -coated $\hat{\Gamma}$ -Fe ₂ O ₃ core-shell heterojunction. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 68, 14-23.	2.9	89
64	Adsorption kinetics and isotherm of vanadium with melamine. <i>Water Science and Technology</i> , 2017, 75, 2316-2321.	1.2	31
65	Adsorption Process of Vanadium (V) with Melamine. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	22
66	Chaotic Phenomenon in Vanadium Redox Flow Battery. <i>International Journal of Petrochemical Science & Engineering</i> , 2017, 2, .	0.2	5
67	Electrochemical oscillation of vanadium ions in anolyte. <i>Journal of Electrochemical Science and Engineering</i> , 2017, 7, 139.	1.6	5
68	Leaching Kinetics of Vanadium with Electro-oxidation and H ₂ O ₂ in Alkaline Medium. <i>Energy & Fuels</i> , 2016, 30, 7802-7807.	2.5	37
69	Selective leaching of vanadium from chromium residue intensified by electric field. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1252-1257.	3.3	51