

Chunquan Li

List of Publications by Year in descending order

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63
papers

3,682
citations

126858

33
h-index

128225

60
g-index

63
all docs

63
docs citations

63
times ranked

2536
citing authors

#	ARTICLE	IF	CITATIONS
1	Monodispersed CuFe ₂ O ₄ nanoparticles anchored on natural kaolinite as highly efficient peroxymonosulfate catalyst for bisphenol A degradation. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 206-217.	10.8	405
2	Highly efficient activation of peroxymonosulfate by natural negatively-charged kaolinite with abundant hydroxyl groups for the degradation of atrazine. <i>Applied Catalysis B: Environmental</i> , 2019, 247, 10-23.	10.8	348
3	Highly efficient g-C ₃ N ₄ /TiO ₂ /kaolinite composite with novel three-dimensional structure and enhanced visible light responding ability towards ciprofloxacin and <i>S. aureus</i> . <i>Applied Catalysis B: Environmental</i> , 2018, 220, 272-282.	10.8	252
4	Natural illite-based ultrafine cobalt oxide with abundant oxygen-vacancies for highly efficient Fenton-like catalysis. <i>Applied Catalysis B: Environmental</i> , 2020, 261, 118214.	10.8	194
5	Rapid removal of tetrabromobisphenol A by $\text{Fe}_2\text{O}_3\text{-x@Graphene@Montmorillonite}$ catalyst with oxygen vacancies through peroxymonosulfate activation: Role of halogen and Fe -hydroxyalkyl radicals. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118129.	10.8	135
6	Synthesis of novel ternary heterogeneous BiOCl/TiO ₂ /sepiolite composite with enhanced visible-light-induced photocatalytic activity towards tetracycline. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 238-250.	5.0	130
7	Diatomite supported hierarchical 2D CoNi ₃ O ₄ nanoribbons as highly efficient peroxymonosulfate catalyst for atrazine degradation. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118971.	10.8	129
8	A facile synthesis of g-C ₃ N ₄ /TiO ₂ hybrid photocatalysts by sol-gel method and its enhanced photodegradation towards methylene blue under visible light. <i>Advanced Powder Technology</i> , 2016, 27, 330-337.	2.0	113
9	Flowing nitrogen atmosphere induced rich oxygen vacancies overspread the surface of TiO ₂ /kaolinite composite for enhanced photocatalytic activity within broad radiation spectrum. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 76-87.	10.8	103
10	Natural diatomite mediated spherically monodispersed CoFe ₂ O ₄ nanoparticles for efficient catalytic oxidation of bisphenol A through activating peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2020, 388, 124386.	6.6	101
11	Multidimensional assembly of oxygen vacancy-rich amorphous TiO ₂ -BiOBr-sepiolite composite for rapid elimination of formaldehyde and oxytetracycline under visible light. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 61-73.	5.0	89
12	Synergistic activation of peroxymonosulfate via in situ growth FeCo ₂ O ₄ nanoparticles on natural rectorite: Role of transition metal ions and hydroxyl groups. <i>Chemosphere</i> , 2021, 263, 127965.	4.2	82
13	Multi-component design and in-situ synthesis of visible-light-driven SnO ₂ /g-C ₃ N ₄ /diatomite composite for high-efficient photoreduction of Cr(VI) with the aid of citric acid. <i>Journal of Hazardous Materials</i> , 2020, 396, 122694.	6.5	74
14	Single-atomic Pt sites anchored on defective TiO ₂ nanosheets as a superior photocatalyst for hydrogen evolution. <i>Journal of Energy Chemistry</i> , 2021, 62, 1-10.	7.1	70
15	Efficient peroxymonosulfate activation and bisphenol A degradation derived from mineral-carbon materials: Key role of double mineral-templates. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118701.	10.8	68
16	Facile synthesis of g-C ₃ N ₄ /montmorillonite composite with enhanced visible light photodegradation of rhodamine B and tetracycline. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 66, 363-371.	2.7	64
17	Fluorine doped anatase TiO ₂ with exposed reactive (001) facets supported on porous diatomite for enhanced visible-light photocatalytic activity. <i>Microporous and Mesoporous Materials</i> , 2017, 243, 281-290.	2.2	61
18	Enhanced photocatalytic removal of indoor formaldehyde by ternary heterogeneous BiOCl/TiO ₂ /sepiolite composite under solar and visible light. <i>Building and Environment</i> , 2020, 168, 106481.	3.0	61

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19	Acetic acid functionalized TiO ₂ /kaolinite composite photocatalysts with enhanced photocatalytic performance through regulating interfacial charge transfer. <i>Journal of Catalysis</i> , 2018, 367, 126-138.	3.1	60
20	Bismuth impregnated biochar for efficient estrone degradation: The synergistic effect between biochar and Bi/Bi ₂ O ₃ for a high photocatalytic performance. <i>Journal of Hazardous Materials</i> , 2020, 384, 121258.	6.5	60
21	In situ generated g-C ₃ N ₄ /TiO ₂ hybrid over diatomite supports for enhanced photodegradation of dye pollutants. <i>Materials and Design</i> , 2016, 94, 403-409.	3.3	59
22	Fast and lasting electron transfer between $\hat{1}^3$ -FeOOH and g-C ₃ N ₄ /kaolinite containing N vacancies for enhanced visible-light-assisted peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2022, 429, 132374.	6.6	59
23	A review of clay based photocatalysts: Role of phyllosilicate mineral in interfacial assembly, microstructure control and performance regulation. <i>Chemosphere</i> , 2021, 273, 129723.	4.2	57
24	Construction of BiOCl/g-C ₃ N ₄ /kaolinite composite and its enhanced photocatalysis performance under visible-light irradiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 84, 203-211.	2.7	55
25	Facile synthesis of two clay minerals supported graphitic carbon nitride composites as highly efficient visible-light-driven photocatalysts. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 268-276.	5.0	53
26	A review of the synthesis and application of zeolites from coal-based solid wastes. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 1-21.	2.4	48
27	Ternary structural assembly of BiOCl/TiO ₂ /clinoptilolite composite: Study of coupled mechanism and photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 143-154.	5.0	44
28	Clinoptilolite mediated activation of peroxymonosulfate through spherical dispersion and oriented array of NiFe ₂ O ₄ : Upgrading synergy and performance. <i>Journal of Hazardous Materials</i> , 2021, 407, 124736.	6.5	44
29	Facile fabrication of heterogeneous TiO ₂ /BiOCl composite with superior visible-light-driven performance towards Cr(VI) and tetracycline. <i>Materials Research Bulletin</i> , 2019, 119, 110559.	2.7	39
30	Enhanced visible-light-assisted peroxymonosulfate activation over MnFe ₂ O ₄ modified g-C ₃ N ₄ /diatomite composite for bisphenol A degradation. <i>International Journal of Mining Science and Technology</i> , 2021, 31, 1169-1179.	4.6	38
31	Efficient catalytic degradation of bisphenol A coordinated with peroxymonosulfate via anchoring monodispersed zero-valent iron on natural kaolinite. <i>Chemical Engineering Journal</i> , 2022, 448, 137746.	6.6	38
32	Facile fabrication of g-C ₃ N ₄ /precipitated silica composite with enhanced visible-light photoactivity for the degradation of rhodamine B and Congo red. <i>Advanced Powder Technology</i> , 2016, 27, 2051-2060.	2.0	37
33	Insight into peroxymonosulfate assisted photocatalysis over Fe ₂ O ₃ modified TiO ₂ /diatomite composite for highly efficient removal of ciprofloxacin. <i>Separation and Purification Technology</i> , 2022, 293, 121123.	3.9	37
34	Investigations on organo-montmorillonites modified by binary nonionic/zwitterionic surfactant mixtures for simultaneous adsorption of aflatoxin B ₁ and zearalenone. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 11-22.	5.0	36
35	Hierarchical assembly of highly efficient visible-light-driven Ag/g-C ₃ N ₄ /kaolinite composite photocatalyst for the degradation of ibuprofen. <i>Journal of Materiomics</i> , 2020, 6, 582-592.	2.8	35
36	Tuning and controlling photocatalytic performance of TiO ₂ /kaolinite composite towards ciprofloxacin: Role of 0D/2D structural assembly. <i>Advanced Powder Technology</i> , 2020, 31, 1241-1252.	2.0	30

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37	Rational design of efficient visible-light driven photocatalyst through OD/2D structural assembly: Natural kaolinite supported monodispersed TiO ₂ with carbon regulation. <i>Chemical Engineering Journal</i> , 2020, 396, 125311.	6.6	29
38	Diatomite supported nano zero valent iron with 3D network for peroxymonosulfate activation in efficient degradation of bisphenol A. <i>Journal of Materials Science and Technology</i> , 2021, 95, 57-69.	5.6	26
39	Carboxyl-rich carbon nanocomposite based on natural diatomite as adsorbent for efficient removal of Cr (VI). <i>Journal of Materials Research and Technology</i> , 2020, 9, 948-959.	2.6	25
40	Susceptibility of atrazine photo-degradation in the presence of nitrate: Impact of wavelengths and significant role of reactive nitrogen species. <i>Journal of Hazardous Materials</i> , 2020, 388, 121760.	6.5	23
41	Investigation on the film-coating mechanism of alumina-coated rutile TiO ₂ and its dispersion stability. <i>Advanced Powder Technology</i> , 2017, 28, 1982-1988.	2.0	21
42	Fabrication of Novel Cyanuric Acid Modified g-C ₃ N ₄ /Kaolinite Composite with Enhanced Visible Light-Driven Photocatalytic Activity. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 437.	0.8	21
43	Mesoporous MCM-41 derived from natural Opoka and its application for organic vapors removal. <i>Journal of Hazardous Materials</i> , 2021, 408, 124911.	6.5	21
44	Adsorptive and photocatalytic behaviour of PANI/TiO ₂ /metakaolin composites for the removal of xanthate from aqueous solution. <i>Minerals Engineering</i> , 2021, 171, 107129.	1.8	19
45	Design and controllable preparation of Bi ₂ MoO ₆ /attapulgite photocatalyst for the removal of tetracycline and formaldehyde. <i>Applied Clay Science</i> , 2021, 215, 106319.	2.6	19
46	Efficient removal of gaseous formaldehyde by amine-modified diatomite: a combined experimental and density functional theory study. <i>Environmental Science and Pollution Research</i> , 2019, 26, 25130-25141.	2.7	17
47	Induced morphology orientation of FeOOH by kaolinite for enhancing peroxymonosulfate activation. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 494-505.	5.0	17
48	Hydrothermal fabrication of rectorite based biocomposite modified by chitosan derived carbon nanoparticles as efficient mycotoxins adsorbents. <i>Applied Clay Science</i> , 2020, 184, 105373.	2.6	16
49	Protrudent electron transfer channels on kaolinite modified iron oxide QDs/N vacancy graphitic carbon nitride driving superior catalytic oxidation. <i>Journal of Hazardous Materials</i> , 2022, 436, 129244.	6.5	16
50	Individual and simultaneous adsorption of tetracycline and cadmium by dodecyl dimethyl betaine modified vermiculite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 602, 125171.	2.3	14
51	A novel rutile TiO ₂ /AlPO ₄ core-shell pigment with substantially suppressed photoactivity and enhanced dispersion stability. <i>Powder Technology</i> , 2020, 366, 537-545.	2.1	14
52	Facile synthesis and enhanced visible-light photoactivity of a g-C ₃ N ₄ /mullite composite. <i>RSC Advances</i> , 2016, 6, 91002-91011.	1.7	12
53	Enhanced visible-light properties of TiO ₂ /diatomite composite over varied bismuth semiconductors modification for formaldehyde photodegradation: A comparative study. <i>Separation and Purification Technology</i> , 2022, 297, 121477.	3.9	11
54	Photoc Biofilms Mediated Distant Nitrate Reduction at the Soil-Water Interface of Paddy Fields. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1163-1171.	1.2	9

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55	Enhanced visible-light degradation performance toward gaseous formaldehyde using oxygen vacancy-rich TiO ₂ -x/TiO ₂ supported by natural diatomite. <i>Building and Environment</i> , 2022, 219, 109216.	3.0	9
56	Functionalization of diatomite with glycine and amino silane for formaldehyde removal. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 356-367.	2.4	8
57	Hierarchical assembly of visible-light-driven Bi ₂ MoO ₆ /TiO ₂ /sepiolite composite for effective formaldehyde removal. <i>Applied Clay Science</i> , 2022, 227, 106590.	2.6	8
58	Deep insight into the reductive roasting treatment on iron removing from quartz. <i>Advanced Powder Technology</i> , 2021, 32, 4825-4832.	2.0	5
59	Synergistic effect of diatomite and Bi self-doping Bi ₂ MoO ₆ on visible light photodegradation of formaldehyde. <i>Microporous and Mesoporous Materials</i> , 2022, 339, 112003.	2.2	5
60	High-efficient mineralization of formaldehyde by three-dimensional "PIZZA"-like bismuth molybdate-titania/diatomite composite. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 713-724.	5.0	5
61	Insight into the effect of clay mineral structure on clay-derived N-doped carbon materials and their efficient electrocatalytic performance. <i>Surfaces and Interfaces</i> , 2022, 31, 102000.	1.5	2
62	Heating induced hierarchically mesoporous adsorbent derived from natural hydromagnesite for highly efficient defluoridation of water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 111, 119-129.	2.7	1
63	Insight into the defective sites of TiO ₂ /sepiolite composite on formaldehyde removal and H ₂ evolution. <i>Materials Today Energy</i> , 2022, 24, 100932.	2.5	1