

# Peng Liao

## List of Publications by Year in descending order

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56  
papers

5,332  
citations

159585

30  
h-index

144013

57  
g-index

58  
all docs

58  
docs citations

58  
times ranked

6248  
citing authors

#	ARTICLE	IF	CITATIONS
1	CD8+ T cells regulate tumour ferroptosis during cancer immunotherapy. <i>Nature</i> , 2019, 569, 270-274.	27.8	1,528
2	Radiotherapy and Immunotherapy Promote Tumoral Lipid Oxidation and Ferroptosis via Synergistic Repression of SLC7A11. <i>Cancer Discovery</i> , 2019, 9, 1673-1685.	9.4	566
3	Ribosomal proteins: functions beyond the ribosome. <i>Journal of Molecular Cell Biology</i> , 2015, 7, 92-104.	3.3	522
4	Cancer SLC43A2 alters T cell methionine metabolism and histone methylation. <i>Nature</i> , 2020, 585, 277-282.	27.8	280
5	CD8+ T cells and fatty acids orchestrate tumor ferroptosis and immunity via ACSL4. <i>Cancer Cell</i> , 2022, 40, 365-378.e6.	16.8	250
6	Single-Atom Cu Catalysts for Enhanced Electrocatalytic Nitrate Reduction with Significant Alleviation of Nitrite Production. <i>Small</i> , 2020, 16, e2004526.	10.0	188
7	Oxidizing Impact Induced by Mackinawite (FeS) Nanoparticles at Oxidic Conditions due to Production of Hydroxyl Radicals. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11646-11653.	10.0	168
8	Formation, Aggregation, and Deposition Dynamics of NOM-Iron Colloids at Anoxic-Oxic Interfaces. <i>Environmental Science &amp; Technology</i> , 2017, 51, 12235-12245.	10.0	105
9	Effect of Humic Acid on the Removal of Chromium(VI) and the Production of Solids in Iron Electrocoagulation. <i>Environmental Science &amp; Technology</i> , 2017, 51, 6308-6318.	10.0	95
10	Adsorption of nitrogen-heterocyclic compounds on bamboo charcoal: Kinetics, thermodynamics, and microwave regeneration. <i>Journal of Colloid and Interface Science</i> , 2013, 390, 189-195.	9.4	85
11	Mutant p53 Gains Its Function via c-Myc Activation upon CDK4 Phosphorylation at Serine 249 and Consequent PIN1 Binding. <i>Molecular Cell</i> , 2017, 68, 1134-1146.e6.	9.7	73
12	Formation and Transport of Cr(III)-NOM-Fe Colloids upon Reaction of Cr(VI) with NOM-Fe(II) Colloids at Anoxic-Oxic Interfaces. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4256-4266.	10.0	73
13	Ribosomal Protein S14 Negatively Regulates c-Myc Activity. <i>Journal of Biological Chemistry</i> , 2013, 288, 21793-21801.	3.4	68
14	Effects of ionic strength and cationic type on humic acid facilitated transport of tetracycline in porous media. <i>Chemical Engineering Journal</i> , 2016, 284, 389-394.	12.7	65
15	Graphene oxides in water: assessing stability as a function of material and natural organic matter properties. <i>Environmental Science: Nano</i> , 2017, 4, 1484-1493.	4.3	65
16	Phosphorus removal and recovery from water with macroporous bead adsorbent constituted of alginate-Zr <sup>4+</sup> and PNIPAM-interpenetrated networks. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1133-1144.	7.5	65
17	Formation and stability of NOM-Mn(III) colloids in aquatic environments. <i>Water Research</i> , 2019, 149, 190-201.	11.3	64
18	Nerve growth factor receptor negates the tumor suppressor p53 as a feedback regulator. <i>ELife</i> , 2016, 5,	6.0	62

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19	Effect of reduced humic acid on the transport of ferrihydrite nanoparticles under anoxic conditions. <i>Water Research</i> , 2017, 109, 347-357.	11.3	61
20	Extensive dark production of hydroxyl radicals from oxygenation of polluted river sediments. <i>Chemical Engineering Journal</i> , 2019, 368, 700-709.	12.7	60
21	Reduced NOM triggered rapid Cr(VI) reduction and formation of NOM-Cr(III) colloids in anoxic environments. <i>Water Research</i> , 2020, 181, 115923.	11.3	56
22	SPIN1 promotes tumorigenesis by blocking the uL18 (universal large ribosomal subunit protein) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	6.0	53
23	The ubiquitin ligase MDM2 sustains STAT5 stability to control T cell-mediated antitumor immunity. <i>Nature Immunology</i> , 2021, 22, 460-470.	14.5	50
24	Enhanced Catalytic Ozonation for Eliminating CH <sub>3</sub> SH via Graphene-Supported Positively Charged Atomic Pt Undergoing Pt <sup>2+</sup> /Pt <sup>4+</sup> Redox Cycle. <i>Environmental Science &amp; Technology</i> , 2021, 55, 16723-16734.	10.0	47
25	Mechanistic aspects of nitrogen-heterocyclic compound adsorption on bamboo charcoal. <i>Journal of Colloid and Interface Science</i> , 2012, 382, 74-81.	9.4	42
26	Loss of Optineurin Drives Cancer Immune Evasion via Palmitoylation-Dependent IFNGR1 Lysosomal Sorting and Degradation. <i>Cancer Discovery</i> , 2021, 11, 1826-1843.	9.4	42
27	Production of Hydroxyl radicals from oxygenation of simulated AMD due to CaCO <sub>3</sub> -induced pH increase. <i>Water Research</i> , 2017, 111, 118-126.	11.3	40
28	Cancer-mutated ribosome protein L22 (RPL22/eL22) suppresses cancer cell survival by blocking p53-MDM2 circuit. <i>Oncotarget</i> , 2017, 8, 90651-90661.	1.8	37
29	Regulation of Electrochemically Generated Ferrous Ions from an Iron Cathode for Pd-Catalytic Transformation of MTBE in Groundwater. <i>Environmental Science &amp; Technology</i> , 2013, 47, 7918-7926.	10.0	36
30	Pleckstrin homology domain-containing protein PHLDB3 supports cancer growth via a negative feedback loop involving p53. <i>Nature Communications</i> , 2016, 7, 13755.	12.8	34
31	Iron-Anode Enhanced Sand Filter for Arsenic Removal from Tube Well Water. <i>Environmental Science &amp; Technology</i> , 2017, 51, 889-896.	10.0	33
32	Impact of Redox Reactions on Colloid Transport in Saturated Porous Media: An Example of Ferrihydrite Colloids Transport in the Presence of Sulfide. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10968-10977.	10.0	31
33	Elucidating the Role of Sulfide on the Stability of Ferrihydrite Colloids under Anoxic Conditions. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4173-4184.	10.0	31
34	RNA-binding motif protein 10 induces apoptosis and suppresses proliferation by activating p53. <i>Oncogene</i> , 2020, 39, 1031-1040.	5.9	30
35	Inactivation of oncogenic cAMP-specific phosphodiesterase 4D by miR-139-5p in response to p53 activation. <i>ELife</i> , 2016, 5, .	6.0	29
36	Transformation and removal of arsenic in groundwater by sequential anodic oxidation and electrocoagulation. <i>Journal of Contaminant Hydrology</i> , 2014, 164, 299-307.	3.3	28

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37	It takes a team: a gain-of-function story of p53-R249S. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 277-283.	3.3	27
38	Real-time evaluation of natural organic matter deposition processes onto model environmental surfaces. <i>Water Research</i> , 2018, 129, 231-239.	11.3	26
39	Impact of Divalent Cations on Dark Production of Hydroxyl Radicals from Oxygenation of Reduced Humic Acids at Anoxic/Oxic Interfaces. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 484-494.	2.7	19
40	Crotonylation at serine 46 impairs p53 activity. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 730-735.	2.1	19
41	Immobilization of Cr(VI) on engineered silicate nanoparticles: Microscopic mechanisms and site energy distribution. <i>Journal of Hazardous Materials</i> , 2020, 383, 121145.	12.4	18
42	Conductive property of secondary minerals triggered Cr(VI) bioreduction by dissimilatory iron reducing bacteria. <i>Environmental Pollution</i> , 2021, 286, 117227.	7.5	16
43	Watershed-scale distributions of heavy metals in the hyporheic zones of a heavily polluted Maozhou River watershed, southern China. <i>Chemosphere</i> , 2020, 239, 124773.	8.2	15
44	Enhanced sequestration of tetracycline by Mn(II) encapsulated mesoporous silica nanoparticles: Synergistic sorption and mechanism. <i>Chemosphere</i> , 2021, 284, 131334.	8.2	15
45	Palmitoylated SCP1 is targeted to the plasma membrane and negatively regulates angiogenesis. <i>ELife</i> , 2017, 6, .	6.0	15
46	Enhanced arsenic removal from water by mass re-equilibrium: kinetics and performance evaluation in a binary-adsorbent system. <i>Water Research</i> , 2021, 190, 116676.	11.3	13
47	Organic phosphorus regeneration enhanced since eutrophication occurred in the sub-deep reservoir. <i>Environmental Pollution</i> , 2022, 306, 119350.	7.5	12
48	Transport and retention of <i>Shewanella oneidensis</i> strain MR1 in water-saturated porous media with different grain-surface properties. <i>Chemosphere</i> , 2019, 233, 57-66.	8.2	11
49	Co-targeting p53-R249S and CDK4 synergistically suppresses survival of hepatocellular carcinoma cells. <i>Cancer Biology and Therapy</i> , 2020, 21, 269-277.	3.4	10
50	Formation, aggregation, and transport of NOM-Cr colloids in aquatic environments. <i>Environmental Science: Nano</i> , 2022, 9, 1133-1145.	4.3	10
51	Insights into the Role of Humic Acid on Pd-catalytic Electro-Fenton Transformation of Toluene in Groundwater. <i>Scientific Reports</i> , 2015, 5, 9239.	3.3	9
52	Pd-catalytic hydrodechlorination of chlorinated hydrocarbons in groundwater using H <sub>2</sub> produced by a dual-anode system. <i>Water Research</i> , 2015, 86, 74-81.	11.3	9
53	Experimental and modeling evidence of hydroxyl radical production in iron electrocoagulation as a new mechanism for contaminant transformation in bicarbonate electrolyte. <i>Water Research</i> , 2022, 220, 118662.	11.3	9
54	Cloning and expression of a novel human gene, Isl-2, encoded a LIM-homeodomain protein. <i>Molecular Biology Reports</i> , 2007, 34, 19-26.	2.3	8

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55	Effects of cascade dam on the distribution of heavy metals and biogenic elements in sediments at the watershed scale, Southwest China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 8970-8979.	5.3	3
56	The Chemical Oxidation and Immobilization of Arsenic and Antimony in Simulated AMD in Karst Areas. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 108, 541-548.	2.7	2