

Yuan Liu

List of Publications by Year in descending order

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121
papers

5,127
citations

109321

35
h-index

102487

66
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122
all docs

122
docs citations

122
times ranked

7602
citing authors

#	ARTICLE	IF	CITATIONS
1	Gram-scale synthesis of single-crystalline graphene quantum dots with superior optical properties. <i>Nature Communications</i> , 2014, 5, 5357.	12.8	750
2	Efficient Separation of Electron-Hole Pairs in Graphene Quantum Dots by TiO ₂ Heterojunctions for Dye Degradation. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2405-2413.	6.7	244
3	Pitch-Derived Soft Carbon as Stable Anode Material for Potassium Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e2000505.	21.0	216
4	Recent developments in electrode materials for potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4334-4352.	10.3	214
5	Facile synthesis of fluorescent graphene quantum dots from coffee grounds for bioimaging and sensing. <i>Chemical Engineering Journal</i> , 2016, 300, 75-82.	12.7	208
6	S-glycosylation-based cysteine profiling reveals regulation of glycolysis by itaconate. <i>Nature Chemical Biology</i> , 2019, 15, 983-991.	8.0	179
7	A global synthesis of the rate and temperature sensitivity of soil nitrogen mineralization: latitudinal patterns and mechanisms. <i>Global Change Biology</i> , 2017, 23, 455-464.	9.5	151
8	Time-resolved protein activation by proximal decaging in living systems. <i>Nature</i> , 2019, 569, 509-513.	27.8	146
9	Seasonal characteristics, formation mechanisms and source origins of PM _{2.5} in two megacities in Sichuan Basin, China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 865-881.	4.9	132
10	Soil organic matter availability and climate drive latitudinal patterns in bacterial diversity from tropical to cold temperate forests. <i>Functional Ecology</i> , 2018, 32, 61-70.	3.6	106
11	Regional variation in the temperature sensitivity of soil organic matter decomposition in China's forests and grasslands. <i>Global Change Biology</i> , 2017, 23, 3393-3402.	9.5	101
12	PRPF4 mutations cause autosomal dominant retinitis pigmentosa. <i>Human Molecular Genetics</i> , 2014, 23, 2926-2939.	2.9	98
13	Increasing importance of nitrate formation for heavy aerosol pollution in two megacities in Sichuan Basin, southwest China. <i>Environmental Pollution</i> , 2019, 250, 898-905.	7.5	94
14	Co-combustion of industrial coal slurry and sewage sludge: Thermochemical and emission behavior of heavy metals. <i>Chemosphere</i> , 2019, 233, 440-451.	8.2	92
15	Highly time-resolved characterization of water-soluble inorganic ions in PM _{2.5} in a humid and acidic mega city in Sichuan Basin, China. <i>Science of the Total Environment</i> , 2017, 580, 224-234.	8.0	85
16	Upgrading of the symbiosis of Nitrosomonas and anammox bacteria in a novel single-stage partial nitritation-anammox system: Nitrogen removal potential and Microbial characterization. <i>Bioresource Technology</i> , 2017, 244, 463-472.	9.6	85
17	Diabetes Mellitus and Risk of Age-Related Macular Degeneration: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2014, 9, e108196.	2.5	70
18	The optimum temperature of soil microbial respiration: Patterns and controls. <i>Soil Biology and Biochemistry</i> , 2018, 121, 35-42.	8.8	68

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19	Nitrogen removal performance and loading capacity of a novel single-stage nitrification-anammox system with syntrophic micro-granules. <i>Bioresource Technology</i> , 2017, 236, 119-128.	9.6	66
20	Characteristics and health risk assessment of heavy metals in indoor dust from different functional areas in Hefei, China. <i>Environmental Pollution</i> , 2019, 251, 839-849.	7.5	65
21	Targeted Sequencing of 179 Genes Associated with Hereditary Retinal Dystrophies and 10 Candidate Genes Identifies Novel and Known Mutations in Patients with Various Retinal Diseases. , 2013, 54, 2186.		63
22	Fusion and fission pathways of vesicles from amphiphilic triblock copolymers: a dissipative particle dynamics simulation study. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4051.	2.8	60
23	Occurrence, potential health risk of heavy metals in aquatic organisms from Laizhou Bay, China. <i>Marine Pollution Bulletin</i> , 2019, 140, 388-394.	5.0	56
24	Patterns and regulating mechanisms of soil nitrogen mineralization and temperature sensitivity in Chinese terrestrial ecosystems. <i>Agriculture, Ecosystems and Environment</i> , 2016, 215, 40-46.	5.3	52
25	Biotransformation of nitrogen- and sulfur-containing pollutants during coking wastewater treatment: Correspondence of performance to microbial community functional structure. <i>Water Research</i> , 2017, 121, 338-348.	11.3	52
26	Root exudates shift how N mineralization and N fixation contribute to the plant-available N supply in low fertility soils. <i>Soil Biology and Biochemistry</i> , 2022, 165, 108541.	8.8	50
27	Multiplicative effect of intrinsic and extrinsic motivation on academic performance: A longitudinal study of Chinese students. <i>Journal of Personality</i> , 2020, 88, 584-595.	3.2	48
28	Facile Synthesis of Hollow Carbon Nanospheres and Their Potential as Stable Anode Materials in Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13182-13188.	8.0	46
29	EGCG protects against UVB-induced apoptosis via oxidative stress and the JNK1/c-Jun pathway in ARPE19 cells. <i>Molecular Medicine Reports</i> , 2011, 5, 54-9.	2.4	44
30	UVB radiation induces human lens epithelial cell migration via NADPH oxidase-mediated generation of reactive oxygen species and up-regulation of matrix metalloproteinases. <i>International Journal of Molecular Medicine</i> , 2009, 24, 153-9.	4.0	43
31	Precise Surface Engineering of Cathode Materials for Improved Stability of Lithium-Ion Batteries. <i>Small</i> , 2019, 15, e1901019.	10.0	43
32	Rapamycin sensitive mTOR activation mediates nerve growth factor (NGF) induced cell migration and pro-survival effects against hydrogen peroxide in retinal pigment epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 414, 499-505.	2.1	42
33	Heavy metals in the "plastisphere" of marine microplastics: adsorption mechanisms and composite risk. <i>Gondwana Research</i> , 2022, 108, 171-180.	6.0	42
34	Impact of hydrogen bonding on inclusion layer of urea to cellulose: Study of molecular dynamics simulation. <i>Polymer</i> , 2012, 53, 1124-1130.	3.8	40
35	Theoretical investigation of the proton transfer mechanism in guanine-cytosine and adenine-thymine base pairs. <i>Journal of Chemical Physics</i> , 2012, 137, 195101.	3.0	38
36	MicroRNA-184 promotes differentiation of the retinal pigment epithelium by targeting the AKT2/mTOR signaling pathway. <i>Oncotarget</i> , 2016, 7, 52340-52353.	1.8	38

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37	Soil gross N ammonification and nitrification from tropical to temperate forests in eastern China. <i>Functional Ecology</i> , 2018, 32, 83-94.	3.6	38
38	Dissipative Particle Dynamics Simulations of Toroidal Structure Formations of Amphiphilic Triblock Copolymers. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14762-14765.	2.6	37
39	Microphase separation of diblock copolymer poly(styrene-b-isoprene): A dissipative particle dynamics simulation study. <i>Journal of Chemical Physics</i> , 2009, 130, 074908.	3.0	37
40	Chemical speciation and combustion behavior of chromium (Cr) and vanadium (V) in coals. <i>Fuel</i> , 2016, 184, 42-49.	6.4	37
41	Microfibers Released into the Air from a Household Tumble Dryer. <i>Environmental Science and Technology Letters</i> , 2022, 9, 120-126.	8.7	37
42	Coal quality characterization and its relationship with geological process of the Early Permian Huainan coal deposits, southern North China. <i>Journal of Geochemical Exploration</i> , 2016, 166, 33-44.	3.2	36
43	Strong pulse effects of precipitation events on soil microbial respiration in temperate forests. <i>Geoderma</i> , 2016, 275, 67-73.	5.1	33
44	Flow-induced translocation of polymers through a fluidic channel: A dissipative particle dynamics simulation study. <i>Journal of Chemical Physics</i> , 2011, 134, 134906.	3.0	31
45	Vision, Color Vision, and Visually Guided Behavior: The Novel Toxicological Targets of 2,2,4,4-Tetrabromodiphenyl Ether (BDE-47). <i>Environmental Science and Technology Letters</i> , 2017, 4, 132-136.	8.7	31
46	Heavy metals (As, Hg and V) and stable isotope ratios ($\delta^{13}C$ and $\delta^{15}N$) in fish from Yellow River Estuary, China. <i>Science of the Total Environment</i> , 2018, 613-614, 462-471.	8.0	30
47	Asymmetric responses of soil heterotrophic respiration to rising and decreasing temperatures. <i>Soil Biology and Biochemistry</i> , 2017, 106, 18-27.	8.8	29
48	Levels of metals in fish tissues of <i>Liza haematocheila</i> and <i>Lateolabrax japonicus</i> from the Yellow River Delta of China and risk assessment for consumers. <i>Marine Pollution Bulletin</i> , 2020, 157, 111286.	5.0	27
49	SPP2 Mutations Cause Autosomal Dominant Retinitis Pigmentosa. <i>Scientific Reports</i> , 2015, 5, 14867.	3.3	24
50	Are professional learning communities beneficial for teachers? A multilevel analysis of teacher self-efficacy and commitment in China. <i>School Effectiveness and School Improvement</i> , 2021, 32, 197-217.	2.9	24
51	Temperature sensitivity of soil microbial respiration in soils with lower substrate availability is enhanced more by labile carbon input. <i>Soil Biology and Biochemistry</i> , 2021, 154, 108148.	8.8	24
52	Canonical and microcanonical analysis of nongrafted homopolymer adsorption by an attractive substrate. <i>Journal of Chemical Physics</i> , 2009, 131, 244902.	3.0	23
53	Tumor necrosis factor- α (TNF- α)-mediated in vitro human retinal pigment epithelial (RPE) cell migration mainly requires Akt/mTOR complex 1 (mTORC1), but not mTOR complex 2 (mTORC2) signaling. <i>European Journal of Cell Biology</i> , 2012, 91, 728-737.	3.6	23
54	Wet-only deposition of atmospheric inorganic nitrogen and associated isotopic characteristics in a typical mountain area, southwestern China. <i>Science of the Total Environment</i> , 2018, 616-617, 55-63.	8.0	23

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55	Source identification of heavy metals and stable carbon isotope in indoor dust from different functional areas in Hefei, China. <i>Science of the Total Environment</i> , 2020, 710, 135599.	8.0	23
56	Quantitative and Site-Specific Chemoproteomic Profiling of Targets of Acrolein. <i>Chemical Research in Toxicology</i> , 2019, 32, 467-473.	3.3	22
57	Characteristics of Carbonaceous Aerosol in PM _{2.5} at Wanzhou in the Southwest of China. <i>Atmosphere</i> , 2018, 9, 37.	2.3	21
58	Characteristics of indoor dust in an industrial city: Comparison with outdoor dust and atmospheric particulates. <i>Chemosphere</i> , 2021, 272, 129952.	8.2	21
59	Presence of arsenic, mercury and vanadium in aquatic organisms of Laizhou Bay and their potential health risk. <i>Marine Pollution Bulletin</i> , 2017, 125, 334-340.	5.0	20
60	Dexamethasone inhibits TGF- β 2-induced migration of human lens epithelial cells: Implications for posterior capsule opacification prevention. <i>Molecular Medicine Reports</i> , 2012, 5, 1509-13.	2.4	19
61	Gremlin promotes retinal pigmentation epithelial (RPE) cell proliferation, migration and VEGF production via activating VEGFR2-Akt-mTORC2 signaling. <i>Oncotarget</i> , 2017, 8, 979-987.	1.8	19
62	Identification of the featured-element in fine road dust of cities with coal contamination by geochemical investigation and isotopic monitoring. <i>Environment International</i> , 2021, 152, 106499.	10.0	19
63	Structure of a Tubular Membrane Confining Spherical Particles. <i>Physical Review Letters</i> , 2009, 102, 168103.	7.8	18
64	CIMAGE2.0: An Expanded Tool for Quantitative Analysis of Activity-Based Protein Profiling (ABPP) Data. <i>Journal of Proteome Research</i> , 2021, 20, 4893-4900.	3.7	18
65	High-Performance Cathode of Sodium-Ion Batteries Enabled by a Potassium-Containing Framework of K _{0.5} Mn _{0.7} Fe _{0.2} Ti _{0.1} O ₂ . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15313-15319.	8.0	16
66	Potential ecological and health risks of heavy metals for indoor and corresponding outdoor dust in Hefei, Central China. <i>Chemosphere</i> , 2022, 302, 134864.	8.2	16
67	Development and Validation of Machine Learning-based Model for the Prediction of Malignancy in Multiple Pulmonary Nodules: Analysis from Multicentric Cohorts. <i>Clinical Cancer Research</i> , 2021, 27, 2255-2265.	7.0	15
68	17 β -OESTRADIOL PARTIALLY ATTENUATES THE INHIBITION OF NITRIC OXIDE SYNTHASE-3 BY ADVANCED GLYCATION END-PRODUCTS IN HUMAN PLATELETS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, 972-978.	1.9	14
69	Characteristics of Carbonaceous Species in PM _{2.5} in Wanzhou in the Hinterland of the Three Gorges Reservoir of Northeast Chongqing, China. <i>Atmosphere</i> , 2015, 6, 534-546.	2.3	13
70	Do Both Intrinsic and Identified Motivations Have Long-Term Effects?. <i>Journal of Psychology: Interdisciplinary and Applied</i> , 2019, 153, 288-306.	1.6	13
71	Changes to soil organic matter decomposition rate and its temperature sensitivity along water table gradients in cold-temperate forest swamps. <i>Catena</i> , 2020, 194, 104684.	5.0	13
72	Variability in emotion regulation strategy use is negatively associated with depressive symptoms. <i>Cognition and Emotion</i> , 2021, 35, 324-340.	2.0	13

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73	Microcanonical analyses of homopolymer aggregation processes. <i>Physical Review E</i> , 2008, 78, 056101.	2.1	12
74	Microcanonical analysis of adsorption of homopolymer chain on a surface. <i>Journal of Chemical Physics</i> , 2009, 130, 244905.	3.0	12
75	Geochemistry of vanadium (V) in Chinese coals. <i>Environmental Geochemistry and Health</i> , 2017, 39, 967-986.	3.4	12
76	The distributions, contamination status, and health risk assessments of mercury and arsenic in the soils from the Yellow River Delta of China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35094-35106.	5.3	12
77	A new incubation and measurement approach to estimate the temperature response of soil organic matter decomposition. <i>Soil Biology and Biochemistry</i> , 2019, 138, 107596.	8.8	12
78	Identification of the AMA Synthase from the Aspergillomarasmine A Biosynthesis and Evaluation of Its Biocatalytic Potential. <i>ACS Catalysis</i> , 2020, 10, 6291-6298.	11.2	12
79	Decisive role of vacuum-assisted carbonization in valorization of lignin-enriched (<i>Juglans regia</i> -shell) biowaste. <i>Bioresource Technology</i> , 2021, 323, 124541.	9.6	12
80	LYATK1 potently inhibits LPS-mediated pro-inflammatory response. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 1-8.	2.1	11
81	Spatio-temporal variability and fractionation of vanadium (V) in sediments from coal concentrated area of Huai River Basin, China. <i>Journal of Geochemical Exploration</i> , 2017, 172, 203-210.	3.2	11
82	Carbon fractionation and stable carbon isotopic fingerprint of road dusts near coal power plant with emphases on coal-related source apportionment. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110888.	6.0	11
83	Polycyclic aromatic hydrocarbons in fine road dust from a coal-utilization city: Spatial distribution, source diagnosis and risk assessment. <i>Chemosphere</i> , 2022, 286, 131555.	8.2	11
84	Transactional effects between parental sensitivity and child social adjustment: Specifying traitâ€‘state aspects of parenting.. <i>Developmental Psychology</i> , 2020, 56, 1331-1342.	1.6	11
85	Structure and properties of forming adsorbents prepared from different particle sizes of coal fly ash. <i>Chinese Journal of Chemical Engineering</i> , 2015, 23, 290-295.	3.5	10
86	Photocatalytic Degradation of Methyl Orange by Fe ₂ O ₃ ~Fe ₃ O ₄ Nanoparticles and Fe ₂ O ₃ ~Fe ₃ O ₄ ~Montmorillonite Nanocomposites. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1600472.	1.1	10
87	Measuring Motivation to Take Low-Stakes Large-Scale Test: New Model Based on Analyses of â€‘Participant-Owned-Definedâ€‘Missingness. <i>Educational and Psychological Measurement</i> , 2020, 80, 1115-1144.	2.4	10
88	Effect of grazing exclusion on the temperature sensitivity of soil net nitrogen mineralization in the Inner Mongolian grasslands. <i>European Journal of Soil Biology</i> , 2020, 97, 103171.	3.2	10
89	Widespread asymmetric response of soil heterotrophic respiration to warming and cooling. <i>Science of the Total Environment</i> , 2018, 635, 423-431.	8.0	9
90	Site-specific chemoproteomic profiling of targets of glyoxal. <i>Future Medicinal Chemistry</i> , 2019, 11, 2979-2987.	2.3	9

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91	Canonical and micro-canonical analysis of folding of trpzip2: An all-atom replica exchange Monte Carlo simulation study. <i>Journal of Chemical Physics</i> , 2012, 137, 045103.	3.0	8
92	Risk Factors of Cerebral Infarction and Myocardial Infarction after Carotid Endarterectomy Analyzed by Machine Learning. <i>Computational and Mathematical Methods in Medicine</i> , 2020, 2020, 1-8.	1.3	8
93	Clinicopathological features and current treatment outcomes of neuroendocrine thymic tumours. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 59, 1004-1013.	1.4	8
94	Generating the conformational properties of a polymer by the restricted Boltzmann machine. <i>Journal of Chemical Physics</i> , 2019, 151, 031101.	3.0	7
95	Exploitation of acetalization process of poly(vinyl alcohol) for the formation of crosslinked poly(vinyl formal) foams. <i>Polymer Engineering and Science</i> , 2020, 60, 2023-2033.	3.1	7
96	Partitioning behavior of Pb in particulate matter emitted from circulating fluidized bed coal-fired power plant. <i>Journal of Cleaner Production</i> , 2021, 292, 125997.	9.3	7
97	Construction of Li ₃ PO ₄ nanoshells for the improved electrochemical performance of a Ni-rich cathode material. <i>Chemical Communications</i> , 2022, 58, 2556-2559.	4.1	7
98	Switchgrass cropping systems affect soil carbon and nitrogen and microbial diversity and activity on marginal lands. <i>GCB Bioenergy</i> , 2022, 14, 918-940.	5.6	7
99	Radiolysis route to Pt nanodendrites with enhanced comprehensive electrocatalytic performances for methanol oxidation. <i>Catalysis Communications</i> , 2015, 62, 14-18.	3.3	6
100	Mobilization of substance around stackable fly ash and the environmental characteristics of groundwater: With particular reference to five elements: B, Ba, Pb, Sb and Zn. <i>Fuel</i> , 2016, 174, 126-132.	6.4	6
101	Asynchronous pulse responses of soil carbon and nitrogen mineralization to rewetting events at a short-term: Regulation by microbes. <i>Scientific Reports</i> , 2017, 7, 7492.	3.3	6
102	The transformation and enrichment of Cd in fine particulate matter during coal combustion: The key roles of Ti-bearing components. <i>Fuel</i> , 2021, 292, 120285.	6.4	6
103	Knocking Down <i>Snrnp200</i> Initiates Demorphogenesis of Rod Photoreceptors in Zebrafish. <i>Journal of Ophthalmology</i> , 2015, 2015, 1-7.	1.3	5
104	Accumulation and health risk assessment of trace elements in <i>Carassius auratus gibelio</i> from subsidence pools in the Huainan coalfield in China. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 479.	2.7	5
105	An 87-year sedimentary record of mercury contamination in the Old Yellow River Estuary of China. <i>Marine Pollution Bulletin</i> , 2018, 135, 47-54.	5.0	5
106	Distribution, bioavailability and contamination assessment of mercury and arsenic in the surface sediments from the Yellow River Estuary, China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2021, 27, 274-288.	3.4	5
107	Mothers' Depressive Symptoms and Children's Internalizing and Externalizing Behaviors: Examining Reciprocal Trait-State Effects from Age 2 to 15. <i>Child Development</i> , 2021, 92, 2496-2508.	3.0	5
108	Pyridoxine Improves Platelet Nitric Oxide Synthase Dysfunction Induced by Advanced Glycation End Products in vitro. <i>International Journal for Vitamin and Nutrition Research</i> , 2010, 80, 168-177.	1.5	5

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109	Insight into the environmental monitoring and source apportionment of volatile organic compounds (VOCs) in various functional areas. <i>Air Quality, Atmosphere and Health</i> , 2022, 15, 1121-1131.	3.3	5
110	Chemical Proteomic Profiling of Protein 4â€²â€²Phosphopantetheinylation in Mammalian Cells. <i>Angewandte Chemie</i> , 2020, 132, 16203-16209.	2.0	4
111	Pyridoxine increases nitric oxide biosynthesis in human platelets. <i>International Journal for Vitamin and Nutrition Research</i> , 2009, 79, 95-103.	1.5	4
112	High-power narrow-linewidth quasi-CW diode-pumped TEM₀₀ 1064Ånm Nd:YAG ring laser. <i>Applied Optics</i> , 2012, 51, C27.	1.8	3
113	Important interaction of chemicals, microbial biomass and dissolved substrates in the diel hysteresis loop of soil heterotrophic respiration. <i>Plant and Soil</i> , 2018, 428, 279-290.	3.7	3
114	Electronic Tuning in Reactionâ€Based Fluorescent Sensing for Instantaneous and Ultrasensitive Visualization of Ethylenediamine. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
115	Morphochemical investigation on the enrichment and transformation of hazardous elements in ash from waste incineration plants. <i>Science of the Total Environment</i> , 2022, 828, 154490.	8.0	3
116	Influence of coal fly ash particle size on structure and adsorption properties of forming adsorbents for Cr6+. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 58-63.	1.0	2
117	Predicting cracks in metalloproteins. <i>Nature Machine Intelligence</i> , 2019, 1, 553-554.	16.0	2
118	Cadmium in Chinese coals: Abundance, distribution, occurrence, and environmental effects. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 527-547.	3.4	1
119	CAGEâ€prox: A Unified Approach for Timeâ€Resolved Protein Activation in Living Systems. <i>Current Protocols</i> , 2021, 1, e180.	2.9	1
120	Oral Gene Delivery: NPC1L1â€Targeted Cholesterolâ€Grafted Poly(â€Amino Ester)/pDNA Complexes for Oral Gene Delivery (<i>Adv. Healthcare Mater.</i> 8/2019). <i>Advanced Healthcare Materials</i> , 2019, 8, 1970032.	7.6	0
121	Spatial Variability and Source Apportionment of Aliphatic Hydrocarbons in Sediments from the Typical Coal Mining Area. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 105, 230-236.	2.7	0