Jenny Z Zhang

List of Publications by Year
in descending order

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34 papers	2,567 citations	257357 24 h-index	434063 31 g-index
42 all docs	42 docs citations	42 times ranked	3082 citing authors

#	Article	IF	Citations
1	3D-printed hierarchical pillar array electrodes for high-performance semi-artificial photosynthesis. Nature Materials, 2022, 21, 811-818.	13.3	48
2	Synthetic biology and bioelectrochemical tools for electrogenetic system engineering. Science Advances, 2022, 8, eabm5091.	4.7	17
3	Phenazines as model low-midpoint potential electron shuttles for photosynthetic bioelectrochemical systems. Chemical Science, 2021, 12, 3328-3338.	3.7	46
4	A biophotoelectrochemical approach to unravelling the role of cyanobacterial cell structures in exoelectrogenesis. Electrochimica Acta, 2021, 395, 139214.	2.6	18
5	Advancing photosystem II photoelectrochemistry for semi-artificial photosynthesis. Nature Reviews Chemistry, 2020, 4, 6-21.	13.8	146
6	The Development of Biophotovoltaic Systems for Power Generation and Biological Analysis. ChemElectroChem, 2019, 6, 5375-5386.	1.7	70
7	Structureâ€“Activity Relationships of Hierarchical Three-Dimensional Electrodes with Photosystem II for Semiartificial Photosynthesis. Nano Letters, 2019, 19, 1844-1850.	4.5	61
8	Advancing Techniques for Investigating the Enzymeâ€“Electrode Interface. Accounts of Chemical Research, 2019, 52, 1439-1448.	7.6	59
9	Modulating the Cellular Uptake of Fluorescently Tagged Substrates of Prostate-Specific Antigen before and after Enzymatic Activation. Bioconjugate Chemistry, 2019, 30, 124-133.	1.8	4
10	(Invited) The Photoelectrochemistry of Photosynthetic Machineries: From Isolated Proteins to Living Cells. ECS Meeting Abstracts, 2019, , .	0.0	0
11	Semi-Artificial Photosynthetic Tandem Systems. ECS Meeting Abstracts, 2019, , .	0.0	0
12	Photoelectrochemistry of Photosystem II in Vitro vs in Vivo. Journal of the American Chemical Society, 2018, 140, 6-9.	6.6	98
13	Interfacing natureâ€™s catalytic machinery with synthetic materials for semi-artificial photosynthesis. Nature Nanotechnology, 2018, 13, 890-899.	15.6	322
14	Oxygenic Photoreactivity in Photosystem II Studied by Rotating Ring Disk Electrochemistry. Journal of the American Chemical Society, 2018, 140, 17923-17931.	6.6	18
15	Bias-free photoelectrochemical water splitting with photosystem II on a dye-sensitized photoanode wired to hydrogenase. Nature Energy, 2018, 3, 944-951.	19.8	192
16	Solar Water Splitting with a Hydrogenase Integrated in Photoelectrochemical Tandem Cells. Angewandte Chemie, 2018, 130, 10755-10759.	1.6	16
17	Solar Water Splitting with a Hydrogenase Integrated in Photoelectrochemical Tandem Cells. Angewandte Chemie - International Edition, 2018, 57, 10595-10599.	7.2	93
18	Photoelectrocatalytic H₂ evolution in water with molecular catalysts immobilised on p-Si via a stabilising mesoporous TiO₂ interlayer. Chemical Science, 2017, 8, 5172-5180.	3.7	85

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19	Rational wiring of photosystem II to hierarchical indium tin oxide electrodes using redox polymers. Energy and Environmental Science, 2016, 9, 3698-3709.	15.6	140
20	Competing charge transfer pathways at the photosystem IIâ€“electrode interface. Nature Chemical Biology, 2016, 12, 1046-1052.	3.9	53
21	A Si Photocathode Protected and Activated with a Ti and Ni Composite Film for Solar Hydrogen Production. Chemistry - A European Journal, 2015, 21, 3919-3923.	1.7	36
22	Wiring of Photosystem II to Hydrogenase for Photoelectrochemical Water Splitting. Journal of the American Chemical Society, 2015, 137, 8541-8549.	6.6	228
23	Protein film photoelectrochemistry of the water oxidation enzyme photosystem II. Chemical Society Reviews, 2014, 43, 6485-6497.	18.7	148
24	Facile Preparation of Monoâ€‚Diâ€•and Mixedâ€€arboxylato Platinum(IV) Complexes for Versatile Anticancer Prodrug Design. Chemistry - A European Journal, 2013, 19, 1672-1676.	1.7	108
25	Influence of Equatorial and Axial Carboxylato Ligands on the Kinetic Inertness of Platinum(IV) Complexes in the Presence of Ascorbate and Cysteine and within DLD-1 Cancer Cells. Journal of Medicinal Chemistry, 2013, 56, 8757-8764.	2.9	85
26	Quantitative measurement of the reduction of platinum(iv) complexes using X-ray absorption near-edge spectroscopy (XANES). Metallomics, 2012, 4, 568.	1.0	56
27	Getting to the core of platinum drug bio-distributions: the penetration of anti-cancer platinum complexes into spheroid tumour models. Metallomics, 2012, 4, 1209.	1.0	56
28	Pt(<scp>iv</scp>) analogs of oxaliplatin that do not follow the expected correlation between electrochemical reduction potential and rate of reduction by ascorbate. Chemical Communications, 2012, 48, 847-849.	2.2	174
29	The use of spectroscopic imaging and mapping techniques in the characterisation and study of DLD-1 cell spheroid tumour models. Integrative Biology (United Kingdom), 2012, 4, 1072-1080.	0.6	32
30	Fluorescent analogues of quinoline reveal amine ligand loss from cis and trans platinum(II) complexes in cancer cells. Journal of Inorganic Biochemistry, 2009, 103, 1120-1125.	1.5	21
31	Accumulation of an anthraquinone and its platinum complexes in cancer cell spheroids: the effect of charge on drug distribution in solid tumour models. Chemical Communications, 2009, , 2673.	2.2	68
32	Investigations using fluorescent ligands to monitor platinum(iv) reduction and platinum(ii) reactions in cancer cells. Dalton Transactions, 2009, , 3092.	1.6	66
33	Dr.. , 0, , .		0
34	Semi-artificial Photosynthesis: a Platform for Studying and Wiring Photosynthesis. , 0, , .		0