

Jenny Z Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Interfacing nature's catalytic machinery with synthetic materials for semi-artificial photosynthesis. <i>Nature Nanotechnology</i> , 2018, 13, 890-899. | 15.6 | 322 |
| 2 | Wiring of Photosystem II to Hydrogenase for Photoelectrochemical Water Splitting. <i>Journal of the American Chemical Society</i> , 2015, 137, 8541-8549. | 6.6 | 228 |
| 3 | Bias-free photoelectrochemical water splitting with photosystem II on a dye-sensitized photoanode wired to hydrogenase. <i>Nature Energy</i> , 2018, 3, 944-951. | 19.8 | 192 |
| 4 | Pt(IV) analogs of oxaliplatin that do not follow the expected correlation between electrochemical reduction potential and rate of reduction by ascorbate. <i>Chemical Communications</i> , 2012, 48, 847-849. | 2.2 | 174 |
| 5 | Protein film photoelectrochemistry of the water oxidation enzyme photosystem II. <i>Chemical Society Reviews</i> , 2014, 43, 6485-6497. | 18.7 | 148 |
| 6 | Advancing photosystem II photoelectrochemistry for semi-artificial photosynthesis. <i>Nature Reviews Chemistry</i> , 2020, 4, 6-21. | 13.8 | 146 |
| 7 | Rational wiring of photosystem II to hierarchical indium tin oxide electrodes using redox polymers. <i>Energy and Environmental Science</i> , 2016, 9, 3698-3709. | 15.6 | 140 |
| 8 | Facile Preparation of Mono-, Di- and Mixed-Carboxylato Platinum(IV) Complexes for Versatile Anticancer Prodrug Design. <i>Chemistry - A European Journal</i> , 2013, 19, 1672-1676. | 1.7 | 108 |
| 9 | Photoelectrochemistry of Photosystem II <i>in Vitro</i> vs <i>in Vivo</i> . <i>Journal of the American Chemical Society</i> , 2018, 140, 6-9. | 6.6 | 98 |
| 10 | Solar Water Splitting with a Hydrogenase Integrated in Photoelectrochemical Tandem Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10595-10599. | 7.2 | 93 |
| 11 | 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. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 8757-8764. | 2.9 | 85 |
| 12 | Photoelectrocatalytic H ₂ evolution in water with molecular catalysts immobilised on p-Si via a stabilising mesoporous TiO ₂ interlayer. <i>Chemical Science</i> , 2017, 8, 5172-5180. | 3.7 | 85 |
| 13 | The Development of Biophotovoltaic Systems for Power Generation and Biological Analysis. <i>ChemElectroChem</i> , 2019, 6, 5375-5386. | 1.7 | 70 |
| 14 | Accumulation of an anthraquinone and its platinum complexes in cancer cell spheroids: the effect of charge on drug distribution in solid tumour models. <i>Chemical Communications</i> , 2009, , 2673. | 2.2 | 68 |
| 15 | Investigations using fluorescent ligands to monitor platinum(IV) reduction and platinum(II) reactions in cancer cells. <i>Dalton Transactions</i> , 2009, , 3092. | 1.6 | 66 |
| 16 | Structure-Activity Relationships of Hierarchical Three-Dimensional Electrodes with Photosystem II for Semiartificial Photosynthesis. <i>Nano Letters</i> , 2019, 19, 1844-1850. | 4.5 | 61 |
| 17 | Advancing Techniques for Investigating the Enzyme-Electrode Interface. <i>Accounts of Chemical Research</i> , 2019, 52, 1439-1448. | 7.6 | 59 |
| 18 | Quantitative measurement of the reduction of platinum(IV) complexes using X-ray absorption near-edge spectroscopy (XANES). <i>Metallomics</i> , 2012, 4, 568. | 1.0 | 56 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Getting to the core of platinum drug bio-distributions: the penetration of anti-cancer platinum complexes into spheroid tumour models. <i>Metallomics</i> , 2012, 4, 1209. | 1.0 | 56 |
| 20 | Competing charge transfer pathways at the photosystem II "electrode interface. <i>Nature Chemical Biology</i> , 2016, 12, 1046-1052. | 3.9 | 53 |
| 21 | 3D-printed hierarchical pillar array electrodes for high-performance semi-artificial photosynthesis. <i>Nature Materials</i> , 2022, 21, 811-818. | 13.3 | 48 |
| 22 | Phenazines as model low-midpoint potential electron shuttles for photosynthetic bioelectrochemical systems. <i>Chemical Science</i> , 2021, 12, 3328-3338. | 3.7 | 46 |
| 23 | A Si Photocathode Protected and Activated with a Ti and Ni Composite Film for Solar Hydrogen Production. <i>Chemistry - A European Journal</i> , 2015, 21, 3919-3923. | 1.7 | 36 |
| 24 | The use of spectroscopic imaging and mapping techniques in the characterisation and study of DLD-1 cell spheroid tumour models. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 1072-1080. | 0.6 | 32 |
| 25 | Fluorescent analogues of quinoline reveal amine ligand loss from cis and trans platinum(II) complexes in cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1120-1125. | 1.5 | 21 |
| 26 | Oxygenic Photoreactivity in Photosystem II Studied by Rotating Ring Disk Electrochemistry. <i>Journal of the American Chemical Society</i> , 2018, 140, 17923-17931. | 6.6 | 18 |
| 27 | A biophotocatalytic approach to unravelling the role of cyanobacterial cell structures in exoelectrogenesis. <i>Electrochimica Acta</i> , 2021, 395, 139214. | 2.6 | 18 |
| 28 | Synthetic biology and bioelectrochemical tools for electrogenetic system engineering. <i>Science Advances</i> , 2022, 8, eabm5091. | 4.7 | 17 |
| 29 | Solar Water Splitting with a Hydrogenase Integrated in Photoelectrochemical Tandem Cells. <i>Angewandte Chemie</i> , 2018, 130, 10755-10759. | 1.6 | 16 |
| 30 | Modulating the Cellular Uptake of Fluorescently Tagged Substrates of Prostate-Specific Antigen before and after Enzymatic Activation. <i>Bioconjugate Chemistry</i> , 2019, 30, 124-133. | 1.8 | 4 |
| 31 | (Invited) The Photoelectrochemistry of Photosynthetic Machineries: From Isolated Proteins to Living Cells. <i>ECS Meeting Abstracts</i> , 2019, , . | 0.0 | 0 |
| 32 | Semi-Artificial Photosynthetic Tandem Systems. <i>ECS Meeting Abstracts</i> , 2019, , . | 0.0 | 0 |
| 33 | Dr., , , . | | 0 |
| 34 | Semi-artificial Photosynthesis: a Platform for Studying and Wiring Photosynthesis. , , , . | | 0 |