

Yasuko Osakada

List of Publications by Year in descending order

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36
papers

1,302
citations

430874

18
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

2016
citing authors

#	ARTICLE	IF	CITATIONS
1	Iridium oxide nanotube electrodes for sensitive and prolonged intracellular measurement of action potentials. <i>Nature Communications</i> , 2014, 5, 3206.	12.8	197
2	Black phosphorus: A promising two dimensional visible and near-infrared-activated photocatalyst for hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 285-292.	20.2	164
3	Sequence-independent and rapid long-range charge transfer through DNA. <i>Nature Chemistry</i> , 2009, 1, 156-159.	13.6	116
4	Defective Axonal Transport of Rab7 GTPase Results in Dysregulated Trophic Signaling. <i>Journal of Neuroscience</i> , 2013, 33, 7451-7462.	3.6	88
5	Charge transfer through DNA nanoscaled assembly programmable with DNA building blocks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18072-18076.	7.1	65
6	Single-molecule imaging of NGF axonal transport in microfluidic devices. <i>Lab on A Chip</i> , 2010, 10, 2566.	6.0	63
7	Diarylethene doped biocompatible polymer dots for fluorescence switching. <i>Chemical Communications</i> , 2012, 48, 3285.	4.1	57
8	Synthesis and photocatalytic activity of ultrathin two-dimensional porphyrin nanodisks via covalent organic framework exfoliation. <i>Communications Chemistry</i> , 2019, 2, .	4.5	46
9	Lifetime Regulation of the Charge-Separated State in DNA by Modulating the Oxidation Potential of Guanine in DNA through Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , 2004, 126, 12843-12846.	13.7	45
10	Hard X-ray-induced optical luminescence via biomolecule-directed metal clusters. <i>Chemical Communications</i> , 2014, 50, 3549-3551.	4.1	43
11	Kinetics of charge transfer in DNA containing a mismatch. <i>Nucleic Acids Research</i> , 2008, 36, 5562-5570.	14.5	42
12	X-ray excitable luminescent polymer dots doped with an iridium(iii) complex. <i>Chemical Communications</i> , 2013, 49, 4319.	4.1	33
13	Consecutive Adenine Sequences Are Potential Targets in Photosensitized DNA Damage. <i>Chemistry and Biology</i> , 2005, 12, 1049-1054.	6.0	30
14	Automated image analysis for tracking cargo transport in axons. <i>Microscopy Research and Technique</i> , 2011, 74, 605-613.	2.2	28
15	Mechanism of Charge Separation in DNA by Hole Transfer through Consecutive Adenines. <i>Chemistry - A European Journal</i> , 2008, 14, 3721-3726.	3.3	24
16	Fluorescein-Based Type I Supramolecular Photosensitizer via Induction of Charge Separation by Self-Assembly. <i>Jacs Au</i> , 2022, 2, 1472-1478.	7.9	23
17	Charge Separation in Acridine- and Phenothiazine-Modified DNA. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2144-2149.	2.6	22
18	Hole Transfer in DNA and Photosensitized DNA Damage:Â Importance of Adenine Oxidation. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2322-2326.	2.6	21

#	ARTICLE	IF	CITATIONS
19	Aggregation-induced photocatalytic activity and efficient photocatalytic hydrogen evolution of amphiphilic rhodamines in water. <i>Chemical Science</i> , 2020, 11, 11843-11848.	7.4	19
20	Hole Transfer Rates in A-Form DNA/2-OMeRNA Hybrid. <i>Chemistry - A European Journal</i> , 2007, 13, 2386-2391.	3.3	17
21	Synthesis of porphyrin nanodisks from COFs through mechanical stirring and their photocatalytic activity. <i>Applied Surface Science</i> , 2020, 513, 145720.	6.1	17
22	Effects of reaction rate of radical anion of a photosensitizer with molecular oxygen on the photosensitized DNA damage. <i>Chemical Communications</i> , 2006, , 3918.	4.1	16
23	Importance of Protonation State of Guanine Radical Cation During Hole Transfer in DNA. <i>ChemPhysChem</i> , 2009, 10, 1766-1769.	2.1	16
24	Charge Separation and Photosensitized Damage in DNA Mediated by Naphthalimide, Naphthalidiimide, and Anthraquinone. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10195-10199.	2.6	16
25	Charge transfer in DNA assemblies: effects of sticky ends. <i>Chemical Communications</i> , 2008, , 2656.	4.1	15
26	Live Cell Imaging Using Photoswitchable Diarylethene-Doped Fluorescent Polymer Dots. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2660-2665.	3.3	14
27	COF-based photocatalyst for energy and environment applications. <i>Surfaces and Interfaces</i> , 2021, 25, 101249.	3.0	14
28	Generation of Singlet Oxygen during Photosensitized One-Electron Oxidation of DNA. <i>Chemistry - A European Journal</i> , 2012, 18, 1060-1063.	3.3	13
29	Enhanced Photocatalytic Activity of Porphyrin Nanodisks Prepared by Exfoliation of Metalloporphyrin-Based Covalent Organic Frameworks. <i>ACS Omega</i> , 2022, 7, 7172-7178.	3.5	13
30	A cyanine dye based supramolecular photosensitizer enabling visible-light-driven organic reaction in water. <i>Chemical Communications</i> , 2021, 57, 11217-11220.	4.1	12
31	Real-Time Visualization of Axonal Transport in Neurons. <i>Methods in Molecular Biology</i> , 2010, 670, 231-243.	0.9	6
32	Kinetics of Charge Transfer through DNA across Guanine-Cytosine Repeats Intervened by Adenine-Thymine Base Pair(s). <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 25-30.	3.2	3
33	Hard X-ray excited optical luminescence from protein-directed Au ₁₄₂ clusters. <i>RSC Advances</i> , 2020, 10, 13824-13829.	3.6	3
34	Porphyrin covalent organic nanodisks synthesized using acid-assisted exfoliation for improved bactericidal efficacy. <i>Nanoscale Advances</i> , 2022, 4, 2992-2995.	4.6	1
35	Single-Particle Tracking Reveals a Dynamic Role of Actin Filaments in Assisting Long-Range Axonal Transport in Neurons. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 714-719.	3.2	0
36	Synthesis of unsymmetric perylene diimide dye molecule and its photochemical properties on lipid membrane. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1899-1903.	2.2	0