

Hironobu Tahara

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Modulation Technique of Localized Surface Plasmon Resonance of Palladium Nanospheres by Coating with Titanium Dioxide Shell for Application to Photothermal Therapy Agent. <i>Nanoscale Research Letters</i> , 2022, 17, .	5.7	1
2	A redox-active ionic liquid manifesting charge-transfer interaction between a viologen and carbazole and its effect on the viscosity, ionic conductivity, and redox process of the viologen. <i>Chemical Science</i> , 2021, 12, 4872-4882.	7.4	8
3	Enhancement of deformation of redox-active hydrogel as an actuator by increasing pendant viologens and adding filler or counter-charged polymer. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129359.	7.8	5
4	Redox of Viologen for Powering and Coloring. <i>Chemical Record</i> , 2021, 21, 2375-2388.	5.8	8
5	Performance Improvement of Triplet-Triplet Annihilation-Based Upconversion Solid Films through Plasmon-Induced Backward Scattering of Periodic Arrays of Ag and Al. <i>Langmuir</i> , 2021, 37, 11508-11519.	3.5	7
6	Synthesis of Ag Nanoprisms with Precisely-tuned Localized Surface Plasmon Wavelengths by Sequential Irradiation of Light of Two Different Wavelengths. <i>Chemistry Letters</i> , 2020, 49, 240-243.	1.3	9
7	Combined Use of Anisotropic Silver Nanoprisms with Different Aspect Ratios for Multi-Mode Plasmon-Exciton Coupling. <i>Nanoscale Research Letters</i> , 2020, 15, 15.	5.7	3
8	Electron transfer controlled by solvent and counter-anion dynamics in electrochemistry of viologen-type ionic liquid. <i>Electrochimica Acta</i> , 2019, 320, 134559.	5.2	8
9	Plasmonic Silver Nanoprism-Induced Emissive Mode Control between Fluorescence and Phosphorescence of a Phosphorescent Palladium Porphyrin Derivative. <i>ACS Nano</i> , 2019, 13, 13244-13256.	14.6	16
10	Mie Resonance-Enhanced Light Absorption of FeS ₂ Nanocubes in a Near-Infrared Region: Intraparticulate Synergy between Electronic Absorption and Mie Resonances. <i>ACS Applied Energy Materials</i> , 2019, 2, 6472-6483.	5.1	9
11	Electrochromism of Ferrocene- and Viologen-Based Redox-Active Ionic Liquids Composite. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1-6.	8.0	66
12	Precise Control of Localized Surface Plasmon Wavelengths Is Needed for Effective Enhancement of Triplet-Triplet Annihilation-Based Upconversion Emission. <i>ACS Photonics</i> , 2018, 5, 5025-5037.	6.6	20
13	Driving Quick and Large Amplitude Contraction of Viologen-Incorporated Poly-L-Lysine-Based Hydrogel by Reduction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36415-36424.	8.0	17
14	Electrochromism of a bipolar reversible redox-active ferrocene-viologen linked ionic liquid. <i>Chemical Communications</i> , 2017, 53, 2455-2458.	4.1	48
15	Efficient Photocurrent Enhancement from Porphyrin Molecules on Plasmonic Copper Arrays: Beneficial Utilization of Copper Nanoantennae on Plasmonic Photoelectric Conversion Systems. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 750-762.	8.0	18
16	Effect of bromide adsorption on electrowetting of Au electrode with hexadecane. <i>Electrochimica Acta</i> , 2017, 251, 355-362.	5.2	10
17	Fractionation of Gold Nanorod Dimers by Stepwise Density Gradient Centrifugation. <i>Chemistry Letters</i> , 2017, 46, 1785-1788.	1.3	1
18	Refractive index susceptibility of palladium nanoplates with plasmonic resonance in the visible region. <i>Optical Materials Express</i> , 2016, 6, 859.	3.0	5

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19	Refractive Index Susceptibility of the Plasmonic Palladium Nanoparticle: Potential as the Third Plasmonic Sensing Material. <i>ACS Nano</i> , 2015, 9, 1895-1904.	14.6	109
20	A Dialkyl Viologen Ionic Liquid: X-ray Crystal Structure Analysis of Bis(trifluoromethanesulfonyl)imide Salts. <i>Crystal Growth and Design</i> , 2015, 15, 4735-4740.	3.0	16
21	Photocurrent enhancement of porphyrin molecules over a wide-wavelength region based on combined use of silver nanoprisms with different aspect ratios. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11439-11448.	5.5	16
22	Temperature-Dependent Transport Properties of a Redox-Active Ionic Liquid with a Viologen Group. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1067-1077.	3.1	20
23	Metal-Enhanced Fluorescence Platforms Based on Plasmonic Ordered Copper Arrays: Wavelength Dependence of Quenching and Enhancement Effects. <i>ACS Nano</i> , 2013, 7, 9997-10010.	14.6	157
24	Photoinduced electron-transfer reactions and magnetic field effects on the decay rates of a photogenerated biradical from zinc porphyrin-viologen linked compounds in an ionic liquid. <i>Chemical Physics Letters</i> , 2012, 524, 42-48.	2.6	11
25	Magnetic Field Effects on Photoelectrochemical Reactions of Porphyrin-Viologen Linked Compounds in an Ionic Liquid. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 081605.	1.5	9
26	Magnetic Field Effects on Photoelectrochemical Reactions of a Porphyrin-Viologen Linked Compound in an Ionic Liquid. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 539, 121/[461]-124/[464].	0.9	9
27	Effects of capping layers on the photoelectrochemical property of silver nanoparticle-modified indium-tin-oxide electrode. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 221, 239-243.	3.9	4
28	Magnetic Field Effects on Photoelectrochemical Reactions of Porphyrin-Viologen Linked Compounds in an Ionic Liquid. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 081605.	1.5	6
29	Dependence on Electrode Potential of the Magnetic Field Effect on Photoelectrochemical Reactions of Electrodes Modified with Porphyrin-Viologen Linked Compounds. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 01AD04.	1.5	12