Kenta Adachi

List of Publications by Year
in descending order

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40	704	471371	580701
papers	citations	17 h-index	25 g-index

40	40	40	975
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formation of HelicalJ-Aggregate of Chiral Thioether-Derivatized Phthalocyanine Bound by Palladium(II) at the Toluene/Water Interface. Langmuir, 2006, 22, 1630-1639.	1.6	66
2	Photochromic Properties of Tungsten Oxide/Methylcellulose Composite Film Containing Dispersing Agents. ACS Applied Materials & Interfaces, 2015, 7, 26326-26332.	4.0	56
3	Controllable Adsorption and Ideal H-Aggregation Behaviors of Phenothiazine Dyes on the Tungsten Oxide Nanocolloid Surface. Langmuir, 2010, 26, 117-125.	1.6	34
4	Synthesis of porous platinum-ion-doped titanium dioxide and the photocatalytic degradation of 4-chlorophenol under visible light irradiation. Applied Catalysis B: Environmental, 2012, 121-122, 148-153.	10.8	32
5	Control of optically active structure of thioether-phthalocyanine aggregates by chiral Pd(II)-BINAP complexes in toluene and at the toluene/water interface. Chirality, 2006, 18, 599-608.	1.3	31
6	Photocatalytic activity of aqueous WO3 sol for the degradation of Orange II and 4-chlorophenol. Applied Catalysis A: General, 2013, 454, 30-36.	2.2	30
7	Preparation of porous metal-ion-doped titanium dioxide and the photocatalytic degradation of 4-chlorophenol under visible light irradiation. Applied Catalysis B: Environmental, 2015, 176-177, 347-353.	10.8	30
8	Interfacial aggregation of thioether-substituted phthalocyaninatomagnesium(ii)â€“palladium(ii) complexes in the toluene/water system. Journal of Materials Chemistry, 2005, 15, 4701.	6.7	29
9	pH-Responsive Switchable Aggregation Phenomena of Xanthene Dyes Adsorbed on Tungsten(VI) Oxide Colloid Surface. Industrial & Engineering Chemistry Research, 2014, 53, 13046-13057.	1.8	28
10	Surface-enhanced photochromic phenomena of phenylalanine adsorbed on tungsten oxide nanoparticles: a novel approach for â€œlabel-freeâ€•colorimetric sensing. Analyst, The, 2013, 138, 2536.	1.7	27
11	Binding Behavior of Subphthalocyanine-Tagged Testosterone with Human Serum Albumin at then-Hexane/Water Interface. Analytical Chemistry, 2006, 78, 6840-6846.	3.2	26
12	Kinetics of Coloration in Photochromic Tungsten(VI) Oxide/Silicon Oxycarbide/Silica Hybrid Xerogel: Insight into Cation Self-diffusion Mechanisms. ACS Applied Materials & Interfaces, 2016, 8, 14019-14028.	4.0	25
13	Kinetics of photocatalytic degradation of trichloroethylene in aqueous colloidal solutions of TiO2 and WO3 nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 249, 15-20.	2.0	24
14	Photocatalytic Degradation of Chlorinated Ethanes in the Gas Phase on the Porous TiO₂ Pellets: Effect of Surface Acidity. Journal of Physical Chemistry A, 2010, 114, 5092-5098.	1.1	22
15	Aggregation of thioether-substituted subphthalocyanines with palladium(ii) at the tolueneâ€“water interface. Soft Matter, 2005, 1, 292.	1.2	20
16	Kinetic characteristics of enhanced photochromism in tungsten oxide nanocolloid adsorbed on cellulose substrates, studied by total internal reflection Raman spectroscopy. RSC Advances, 2012, 2, 2128.	1.7	18
17	Factors affecting oxygen evolution through water oxidation on polycrystalline titanium dioxide. RSC Advances, 2016, 6, 46994-47000.	1.7	17
18	Adsorption Equilibria of Novel Phthalocyaninatomagnesium(II) Derivatives with Thioethers at the Toluene/Water Interface. Bulletin of the Chemical Society of Japan, 2004, 77, 2011-2020.	2.0	16

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19	Two-phase Couette flow linear dichroism measurement of the shear-forced orientation of a palladium(ii)-induced aggregate of thioether-derivatised subphthalocyanines at the toluene/glycerol interface. New Journal of Chemistry, 2006, 30, 343.	1.4	16
20	Site-Selective Formation of Optically Active Inclusion Complexes of Alkoxo-Subphthalocyanines with Î²-Cyclodextrin at the Toluene/Water Interface. Chemistry - A European Journal, 2006, 12, 4249-4260.	1.7	15
21	Accelerated Silane Water-Crosslinking Kinetics of Ethyleneâ€“Propylene Copolymer by Boron Trifluoride Complexes. Macromolecular Reaction Engineering, 2007, 1, 313-320.	0.9	14
22	Controllable Silane Water-Cross-Linking Kinetics and Curability of Ethyleneâ^'Propylene Copolymer by Amine Compounds. Industrial & Engineering Chemistry Research, 2008, 47, 1812-1819.	1.8	14
23	Good linear relationship between logarithms of Eigenâ€™s water exchange constants for several divalent metal ions and activation energies of corresponding metal-catalyzed alkoxysilane hydrolysis in ethyleneâ€“propylene copolymer system. European Polymer Journal, 2008, 44, 542-549.	2.6	13
24	Mechanism of Peripheral Substituent Effects on Adsorptionâ€“Aggregation Behaviors of Cationic Porphyrin Dyes on Tungsten(VI) Oxide Nanocolloid Particles. ACS Applied Materials & Interfaces, 2013, 5, 12991-12999.	4.0	12
25	Linear Dichroism of Zn(II)â^'Tetrapyridylporphine Aggregates Formed at the Toluene/Water Interface. Langmuir, 2008, 24, 4722-4728.	1.6	11
26	The utility of sulfonic acid catalysts for silane water-crosslinked network formation in the ethyleneâ€“propylene copolymer system. Journal of Sol-Gel Science and Technology, 2009, 49, 186-195.	1.1	11
27	Chirality induction and amplification in methylene blue H-aggregates viad- and l-phenylalanine pre-adsorbed on the tungsten oxide nanocolloid surface. New Journal of Chemistry, 2012, 36, 2167.	1.4	11
28	Kinetic study on photochromism of WO3 aqueous sol and its enhancement accompanying spectral changes by the addition of TiO2 aqueous sol. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 392, 163-170.	2.3	10
29	Measuring the optical chirality of molecular aggregates at liquidâ€“liquid interfaces. Analytical and Bioanalytical Chemistry, 2009, 395, 1033-1046.	1.9	9
30	Stimuli-triggered reversible switching mechanism between H- and J-type supramolecular assemblies of cationic porphyrins adsorbed on tungsten(VI) oxide surface. Journal of Porphyrins and Phthalocyanines, 2018, 22, 658-669.	0.4	8
31	Ethyleneâ€“propylene copolymer/ordered polysilsesquioxane nanocomposites prepared via organic acidâ€• or baseâ€catalyzed binary silica waterâ€crosslinking reactions. Polymer International, 2010, 59, 510-516.	1.6	7
32	Dioxomolybdenum(VI) and dioxotungsten(VI) complexes: efficient catalytic activity for crosslinking reaction in ethyleneâ€vinyl acetate copolymer/alkoxysilane composites. Polymers for Advanced Technologies, 2015, 26, 597-605.	1.6	7
33	Preparation and photocatalytic activity of Cu-deposited TiO2 film with high transparency. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 209, 74-78.	2.0	4
34	Versatile Functionality of Four-Terminal TiO_{2â€“x} Memristive Devices as Artificial Synapses for Neuromorphic Computing. ACS Applied Electronic Materials, 2022, 4, 2326-2336.	2.0	4
35	In situ binary solâ€“gel reaction of various trifunctional alkoxysilane in the silaneâ€grafted polyolefin matrix and its effect upon the mechanical properties. Polymer Engineering and Science, 2011, 51, 632-640.	1.5	3
36	Label-free Colorimetric Sensing of Î±-Amino Acids Based on Surface-enhanced Photochromic Phenomena of Molybdenum(VI) Oxide Nanoparticles. Bunseki Kagaku, 2017, 66, 639-646.	0.1	2

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37	A novel efficient catalyst for water-crosslinking reaction of silane-grafted polyolefin system: Specific influence of axially coordinated n-alkylamine ligand on catalytic abilities of metal acetylacetonate complex. Materials Today Communications, 2019, 21, 100584.	0.9	1
38	Kinetic insights into metaphosphoric acid-catalyzed water-crosslinking reactions in silane-grafted polyolefin system. Phosphorus, Sulfur and Silicon and the Related Elements, 2022, 197, 848-856.	0.8	1
39	Morphological Analysis of Self-assembled Structures of Merbromin Molecules Adsorbed on Titanium(IV) Oxide Nanoparticles. Bunseki Kagaku, 2018, 67, 719-726.	0.1	0
40	Enhancing catalytic activity of copper(II) complexes by curcuminoid as electron-withdrawing ligand for silane water-crosslinking reaction: a joint experimental and theoretical study. Journal of Sol-Gel Science and Technology, 0, , 1.	1.1	0