

Kai Kamada

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Photoswitching of Enzyme Activity of Horseradish Peroxidase Intercalated into Semiconducting Layers. <i>Chemistry of Materials</i> , 2011, 23, 2968-2972.	6.7	39
2	Sonochemical Synthesis of the Magnetite Nanoparticles in Aqueous Solution. <i>Journal of the Ceramic Society of Japan</i> , 2007, 115, 867-872.	1.1	24
3	Microwave-assisted sol-gel process for production of spherical mesoporous silica materials. <i>Journal of Materials Science</i> , 2008, 43, 2362-2366.	3.7	23
4	Incorporation of oxide nanoparticles into barrier-type alumina film via anodic oxidation combined with electrophoretic deposition. <i>Journal of Materials Chemistry</i> , 2005, 15, 3388.	6.7	22
5	Magnetically applicable layered iron-titanate intercalated with biomolecules. <i>Journal of Materials Chemistry</i> , 2010, 20, 5646.	6.7	22
6	Enzyme-Mimetic Activity of Ce-Intercalated Titanate Nanosheets. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5309-5314.	2.6	20
7	Visible-Light-Driven Enzymatic Reaction of Peroxidase Adsorbed on Doped Hematite Thin Films. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20694-20699.	3.1	18
8	Enhanced Ultraviolet Light Tolerance of Peroxidase Intercalated into Titanate Layers. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13232-13235.	3.1	16
9	Preparation of an enzyme/inorganic nanosheet/magnetic bead complex and its enzymatic activity. <i>Journal of Materials Science</i> , 2014, 49, 8010-8015.	3.7	15
10	Enhanced catalytic activity of enzymes interacting with nanometric titanate nanosheets. <i>RSC Advances</i> , 2015, 5, 85511-85516.	3.6	12
11	Microwave Effect for Synthesis of TiO ₂ Particles by Self-Hydrolysis of TiOCl ₂ . <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 814-818.	1.3	11
12	Multicolour photochromism of colloidal solutions of niobate nanosheets intercalated with several kinds of metal ions. <i>Chemical Communications</i> , 2016, 52, 3308-3311.	4.1	11
13	Photo-excited electroless deposition of semiconducting oxide thin films and their electrocatalytic properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 4301.	6.7	10
14	Soft Surface Modification of Layered Titanate for Biorecognition. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19285-19289.	3.1	10
15	Temperature-controlled reversible exfoliation-stacking of titanate nanosheets in an aqueous solution containing tetraalkylammonium ions. <i>RSC Advances</i> , 2014, 4, 8682.	3.6	10
16	Enhanced visible-light-induced photocatalytic activity of Fe ²⁺ -Fe ₂ O ₃ adsorbing redox enzymes. <i>Journal of Asian Ceramic Societies</i> , 2015, 3, 18-21.	2.3	9
17	Visible-Light-Induced Activity Control of Peroxidase Bound to Fe-Doped Titanate Nanosheets with Nanometric Lateral Dimensions. <i>Bioconjugate Chemistry</i> , 2015, 26, 2161-2166.	3.6	9
18	Intense emissions from photoproteins interacting with titanate nanosheets. <i>RSC Advances</i> , 2014, 4, 43052-43056.	3.6	8

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19	Effect of ultrasonication on anodic oxidation of titanium. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 369-372.	1.1	6
20	Time-resolved Fluorescent Detection for Glucose Using a Complex of Luminescent Layered Titanates and Enzymes. <i>Analytical Sciences</i> , 2017, 33, 989-991.	1.6	6
21	Enhanced CO Response of NASICON-based Gas Sensors Using Oxide-added Pt Sensing Electrode at Low Temperature Operation. <i>Electrochemistry</i> , 2017, 85, 174-178.	1.4	5
22	Enhanced catalytic activity and thermal stability of lipase bound to oxide nanosheets. <i>RSC Advances</i> , 2018, 8, 20347-20352.	3.6	5
23	Effects of noble-metal loading and ultraviolet-light irradiation on gas-sensing properties of porous indium oxide films at room temperature. <i>Journal of the Ceramic Society of Japan</i> , 2021, 129, 676-682.	1.1	5
24	Novel processing for improving monodispersity of ceramic spheres and colloidal crystallinity. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 662-666.	6.1	3
25	Metal plating via electrochemical reduction of oxide layers formed by electrophoretic deposition. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 926-928.	1.1	3
26	Toluene-sensing Properties of Mixed-potential Type Yttria-stabilized Zirconia-based Gas Sensors Attached with Thin CeO ₂ -added Au Electrodes. <i>Analytical Sciences</i> , 2020, 36, 287-290.	1.6	3
27	Development of enzyme/titanate nanosheet complex coated with molecularly imprinted polydopamine for colorimetric quercetin assay. <i>Analytical Sciences</i> , 2022, 38, 777-785.	1.6	3
28	Protective effect of CeO ₂ nanoparticles on photo-induced oxidative damage of DNA. <i>Journal of the Ceramic Society of Japan</i> , 2014, 122, 141-145.	1.1	2
29	Photo-manipulation of activity of enzymes bound to inorganic nanomaterials. <i>Journal of Solid State Chemistry</i> , 2019, 280, 120996.	2.9	2
30	Application of ion conductors for microfabrication of solid surface. <i>Journal of the Ceramic Society of Japan</i> , 2010, 118, 263-268.	1.1	1
31	Photoprotein as an internal light source for a photoelectrochemical cell employing a semiconducting oxide electrode. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 190-192.	1.1	1
32	Enhancement of antibacterial effect of quaternary ammonium with inorganic nanosheets against <i>Enterobacter cloacae</i> . <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	0
33	Development of Hybrid Materials Composed of Proteins and Inorganic Nanosheets and Their Application to Analytical Chemistry. <i>Bunseki Kagaku</i> , 2021, 70, 83-92.	0.2	0
34	Stabilization of H^+ -ZrP ceramic nanosheets adsorbing quaternary ammonium ions in organic solvents and their application as a stable solid support for lipase catalyzing stereospecific synthetic reactions. <i>Journal of Asian Ceramic Societies</i> , 2022, 10, 338-345.	2.3	0
35	Development of a Complex Material Composed of Enzymes-Inorganic Nanosheets-Magnetic Beads for Coupled Enzyme Reaction and Its Application to Glucose Detection. <i>Bunseki Kagaku</i> , 2022, 71, 159-166.	0.2	0