

Kai Kamada

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Stabilization of TiO_2 -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
2	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
3	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
4	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
5	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
6	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
7	Photo-manipulation of activity of enzymes bound to inorganic nanomaterials. <i>Journal of Solid State Chemistry</i> , 2019, 280, 120996.	2.9	2
8	Enhanced catalytic activity and thermal stability of lipase bound to oxide nanosheets. <i>RSC Advances</i> , 2018, 8, 20347-20352.	3.6	5
9	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
10	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
11	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
12	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
13	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
14	Enhanced visible-light-induced photocatalytic activity of TiO_2 - Fe_2O_3 adsorbing redox enzymes. <i>Journal of Asian Ceramic Societies</i> , 2015, 3, 18-21.	2.3	9
15	Enzyme-Mimetic Activity of Ce-Intercalated Titanate Nanosheets. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5309-5314.	2.6	20
16	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
17	Enhanced catalytic activity of enzymes interacting with nanometric titanate nanosheets. <i>RSC Advances</i> , 2015, 5, 85511-85516.	3.6	12
18	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

#	ARTICLE	IF	CITATIONS
19	Preparation of an enzyme/inorganic nanosheet/magnetic bead complex and its enzymatic activity. Journal of Materials Science, 2014, 49, 8010-8015.	3.7	15
20	Intense emissions from photoproteins interacting with titanate nanosheets. RSC Advances, 2014, 4, 43052-43056.	3.6	8
21	Protective effect of CeO ₂ nanoparticles on photo-induced oxidative damage of DNA. Journal of the Ceramic Society of Japan, 2014, 122, 141-145.	1.1	2
22	Soft Surface Modification of Layered Titanate for Biorecognition. Journal of Physical Chemistry C, 2012, 116, 19285-19289.	3.1	10
23	Visible-Light-Driven Enzymatic Reaction of Peroxidase Adsorbed on Doped Hematite Thin Films. Journal of Physical Chemistry C, 2012, 116, 20694-20699.	3.1	18
24	Photo-excited electroless deposition of semiconducting oxide thin films and their electrocatalytic properties. Journal of Materials Chemistry, 2011, 21, 4301.	6.7	10
25	Photoswitching of Enzyme Activity of Horseradish Peroxidase Intercalated into Semiconducting Layers. Chemistry of Materials, 2011, 23, 2968-2972.	6.7	39
26	Enhanced Ultraviolet Light Tolerance of Peroxidase Intercalated into Titanate Layers. Journal of Physical Chemistry C, 2011, 115, 13232-13235.	3.1	16
27	Application of ion conductors for microfabrication of solid surface. Journal of the Ceramic Society of Japan, 2010, 118, 263-268.	1.1	1
28	Magnetically applicable layered iron-titanate intercalated with biomolecules. Journal of Materials Chemistry, 2010, 20, 5646.	6.7	22
29	Effect of ultrasonication on anodic oxidation of titanium. Journal of the Ceramic Society of Japan, 2009, 117, 369-372.	1.1	6
30	Metal plating via electrochemical reduction of oxide layers formed by electrophoretic deposition. Journal of the Ceramic Society of Japan, 2009, 117, 926-928.	1.1	3
31	Microwave-assisted sol-gel process for production of spherical mesoporous silica materials. Journal of Materials Science, 2008, 43, 2362-2366.	3.7	23
32	Sonochemical Synthesis of the Magnetite Nanoparticles in Aqueous Solution. Journal of the Ceramic Society of Japan, 2007, 115, 867-872.	1.1	24
33	Microwave Effect for Synthesis of TiO ₂ Particles by Self-Hydrolysis of TiOCl ₂ . Journal of the Ceramic Society of Japan, 2006, 114, 814-818.	1.3	11
34	Novel processing for improving monodispersity of ceramic spheres and colloidal crystallinity. Science and Technology of Advanced Materials, 2006, 7, 662-666.	6.1	3
35	Incorporation of oxide nanoparticles into barrier-type alumina film via anodic oxidation combined with electrophoretic deposition. Journal of Materials Chemistry, 2005, 15, 3388.	6.7	22