

# Kiyofumi Katagiri

## List of Publications by Year in descending order

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96  
papers

2,596  
citations

201385

27  
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48  
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99  
docs citations

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times ranked

2833  
citing authors

#	ARTICLE	IF	CITATIONS
1	Layered Paving of Vesicular Nanoparticles Formed with Cerasome as a Bioinspired Organic~Inorganic Hybrid. <i>Journal of the American Chemical Society</i> , 2002, 124, 7892-7893.	6.6	208
2	Preparation and Characterization of a Novel Organic~Inorganic Nanohybrid ~Cerasome~Formed with a Liposomal Membrane and Silicate Surface. <i>Chemistry - A European Journal</i> , 2007, 13, 5272-5281.	1.7	142
3	Bioinspired colloidal systems via layer-by-layer assembly. <i>Soft Matter</i> , 2006, 2, 18-23.	1.2	137
4	Preparation of Organic-Inorganic Hybrid Vesicle ~Cerasome~Derived from Artificial Lipid with Alkoxysilyl Head. <i>Chemistry Letters</i> , 1999, 28, 661-662.	0.7	122
5	Layer-by-Layer Self-Assembling of Liposomal Nanohybrid ~Cerasome~on Substrates. <i>Langmuir</i> , 2002, 18, 6709-6711.	1.6	122
6	Magneto-responsive On~Demand Release of Hybrid Liposomes Formed from Fe <sub>3</sub> O <sub>4</sub> Nanoparticles and Thermosensitive Block Copolymers. <i>Small</i> , 2011, 7, 1683-1689.	5.2	99
7	Magneto-responsive Smart Capsules Formed with Polyelectrolytes, Lipid Bilayers and Magnetic Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 768-773.	4.0	97
8	Structural color coating films composed of an amorphous array of colloidal particles via electrophoretic deposition. <i>NPG Asia Materials</i> , 2017, 9, e355-e355.	3.8	90
9	Sub-10 nm strontium titanate nanocubes highly dispersed in non-polar organic solvents. <i>Nanoscale</i> , 2010, 2, 2080.	2.8	77
10	Tunable UV-Responsive Organic~Inorganic Hybrid Capsules. <i>Chemistry of Materials</i> , 2009, 21, 195-197.	3.2	70
11	Monodisperse Polyelectrolyte-Supported Asymmetric Lipid-Bilayer Vesicles. <i>Advanced Materials</i> , 2005, 17, 738-743.	11.1	60
12	Preparation of Transparent Thick Films by Electrophoretic Sol~Gel Deposition Using Phenyltriethoxysilane~Derived Particles. <i>Journal of the American Ceramic Society</i> , 1998, 81, 2501-2503.	1.9	58
13	An amorphous array of poly(N-isopropylacrylamide) brush-coated silica particles for thermally tunable angle-independent photonic band gap materials. <i>New Journal of Chemistry</i> , 2012, 36, 2171.	1.4	54
14	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 26, 393-396.	1.1	51
15	Magnetically Guided Protein Transduction by Hybrid Nanogel Chaperones with Iron Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11377-11381.	7.2	50
16	Effect of UV~Irradiation on Polyelectrolyte Multilayered Films and Hollow Capsules Prepared by Layer-by-Layer Assembly. <i>Macromolecules</i> , 2006, 39, 8067-8074.	2.2	48
17	Sol~gel template synthesis and characterization of aligned anatase-TiO <sub>2</sub> nanorod arrays with different diameter. <i>Materials Chemistry and Physics</i> , 2009, 113, 856-860.	2.0	46
18	ZrO <sub>2</sub> Nanocrystals As Catalyst for Synthesis of Dimethylcarbonate from Methanol and Carbon Dioxide: Catalytic Activity and Elucidation of Active Sites. <i>Langmuir</i> , 2018, 34, 23-29.	1.6	46

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19	Functionalization of Colloids with Robust Inorganic-Based Lipid Coatings. <i>Macromolecules</i> , 2004, 37, 9947-9953.	2.2	39
20	Proton Conduction in Thickness-Controlled Ultrathin Polycation/Nafion Multilayers Prepared via Layer-by-Layer Assembly. <i>Chemistry of Materials</i> , 2008, 20, 6405-6409.	3.2	39
21	Synthesis and characterization of anatase and rutile TiO <sub>2</sub> nanorods by template-assisted method. <i>Journal of Materials Science</i> , 2008, 43, 5924-5929.	1.7	38
22	Photodynamic Activity of C <sub>70</sub> Caged within Surface-Cross-Linked Liposomes. <i>Chemistry - an Asian Journal</i> , 2009, 4, 199-205.	1.7	38
23	Preparation of hybrid hollow capsules formed with Fe <sub>3</sub> O <sub>4</sub> and polyelectrolytes via the layer-by-layer assembly and the aqueous solution process. <i>Journal of Colloid and Interface Science</i> , 2010, 341, 64-68.	5.0	37
24	Light-induced saturation change in the angle-independent structural coloration of colloidal amorphous arrays. <i>Journal of Materials Chemistry C</i> , 2014, 2, 344-348.	2.7	37
25	Robust Infrared-Shielding Coating Films Prepared Using Perhydropolysilazane and Hydrophobized Indium Tin Oxide Nanoparticles with Tuned Surface Plasmon Resonance. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 10240-10245.	4.0	32
26	Magnetically Navigated Intracellular Delivery of Extracellular Vesicles Using Amphiphilic Nanogels. <i>Bioconjugate Chemistry</i> , 2019, 30, 2150-2155.	1.8	32
27	Synthesis of BaTiO <sub>3</sub> Nanowires at Low Temperature. <i>Crystal Growth and Design</i> , 2007, 7, 2713-2715.	1.4	31
28	Langmuir monolayer of organoalkoxysilane for vitamin B12-modified electrode. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 3442-3446.	1.3	28
29	Hydrophobic vitamin B12. Part 18. Preparation of a sol-gel modified electrode trapped with a vitamin B12 derivative and its photoelectrochemical reactivity. <i>Dalton Transactions</i> , 2003, , 2308-2312.	1.6	28
30	Variable on-demand release function of magneto-responsive hybrid capsules. <i>Journal of Colloid and Interface Science</i> , 2011, 361, 109-114.	5.0	28
31	Anti-reflective coatings prepared via layer-by-layer assembly of mesoporous silica nanoparticles and polyelectrolytes. <i>Polymer Journal</i> , 2015, 47, 190-194.	1.3	28
32	Development and Potential Theranostic Applications of a Self-Assembled Hybrid of Magnetic Nanoparticle Clusters with Polysaccharide Nanogels. <i>ChemPlusChem</i> , 2014, 79, 1631-1637.	1.3	24
33	Structure and proton conductivity of mechanochemically treated 50CsHSO <sub>4</sub> ·50CsH <sub>2</sub> PO <sub>4</sub> . <i>Solid State Ionics</i> , 2006, 177, 2421-2424.	1.3	23
34	Structurally colored coating films with tunable iridescence fabricated via cathodic electrophoretic deposition of silica particles. <i>RSC Advances</i> , 2018, 8, 10776-10784.	1.7	23
35	Creation of asymmetric bilayer membrane on monodispersed colloidal silica particles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 38, 149-153.	2.5	20
36	Study on the effects of complex ligands in the synthesis of TiO <sub>2</sub> nanorod arrays using the sol-gel template method. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 155318.	1.3	20

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37	Mechanistic Insight on the Formation of GaN:ZnO Solid Solution from Zn-Ga Layered Double Hydroxide Using Urea as the Nitriding Agent. <i>Inorganic Chemistry</i> , 2018, 57, 13953-13962.	1.9	20
38	Growth Behavior of TiO <sub>2</sub> Particles via the Liquid Phase Deposition Process. <i>Journal of the Ceramic Society of Japan</i> , 2007, 115, 831-834.	0.5	19
39	Mechanochemically synthesized cesium-ion-substituted phosphotungstic acid using several types of cesium-containing salts. <i>Solid State Ionics</i> , 2008, 179, 1174-1177.	1.3	19
40	Templated nucleation of hybrid iron oxide nanoparticles on polysaccharide nanogels. <i>Colloid and Polymer Science</i> , 2013, 291, 1375-1380.	1.0	19
41	Preparation of J-Aggregate Liposome Dispersions and Their Chromic Transformation. <i>Langmuir</i> , 2004, 20, 5718-5723.	1.6	18
42	Mechanochemical synthesis of proton conductive cesium hydrogen salts of 12-tungstophosphoric acid and their composites. <i>Solid State Ionics</i> , 2007, 178, 723-727.	1.3	16
43	Deposition of Ultrathin Nafion Layers on Sol-Gel-Derived Phenylsilsesquioxane Particles via Layer-by-Layer Assembly. <i>Journal of the Electrochemical Society</i> , 2008, 155, B479.	1.3	16
44	Structures and electrical properties of core-shell composite electrolytes with multi-heterointerfaces. <i>Solid State Ionics</i> , 2007, 178, 621-625.	1.3	15
45	Enhanced photocatalytic activity of Pt/WO <sub>3</sub> photocatalyst combined with TiO <sub>2</sub> nanoparticles by polyelectrolyte-mediated electrostatic adsorption. <i>Catalysis Science and Technology</i> , 2015, 5, 1163-1168.	2.1	15
46	Preparation of LaTiO <sub>2</sub> N Using Hydrothermally Synthesized La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> as a Precursor and Urea as a Nitriding Agent. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1257-1264.	1.0	15
47	Environmentally Benign Synthesis and Color Tuning of Strontium-Tantalum Perovskite Oxynitride and Its Solid Solutions. <i>Inorganic Chemistry</i> , 2021, 60, 4852-4859.	1.9	15
48	Syntheses and monolayer properties of vitamin B12 derivatives with seven alkyl chains. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 169, 47-58.	2.3	14
49	Molecular selective photocatalytic decomposition of alkyilanilines by crystalline TiO <sub>2</sub> particles and their nanocomposites with mesoporous silica. <i>RSC Advances</i> , 2012, 2, 11132.	1.7	14
50	Preparation and photocatalytic activity of strontium titanate nanocube-dispersed mesoporous silica. <i>Journal of Colloid and Interface Science</i> , 2013, 407, 282-286.	5.0	14
51	Low temperature crystallization of TiO <sub>2</sub> in layer-by-layer assembled thin films formed from water-soluble Ti-complex and polycations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 321, 233-237.	2.3	13
52	Cerasome as an Organic-Inorganic Vesicular Nanohybrid: Characterization of Cerasome-Forming Lipids having a Single or a Dual Trialkoxysilyl Head. <i>Journal of Sol-Gel Science and Technology</i> , 2004, 31, 99-102.	1.1	12
53	Robust Structurally Colored Coatings Composed of Colloidal Arrays Prepared by the Cathodic Electrophoretic Deposition Method with Metal Cation Additives. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 40768-40777.	4.0	12
54	Preparation and characterization of surface-sulfonated phenylsilsesquioxane-methylsilsesquioxane particles. <i>Solid State Ionics</i> , 2007, 178, 601-605.	1.3	11

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55	Size-Selective Organization of Silica and Silica-Like Particles on Solid Interfaces through Layer-by-Layer Assembly. <i>Journal of Sol-Gel Science and Technology</i> , 2004, 31, 59-62.	1.1	10
56	Thickness dependences of proton conductivity for ultrathin Nafion multilayers prepared via layer-by-layer assembly. <i>Solid State Ionics</i> , 2010, 181, 197-200.	1.3	10
57	SiO <sub>2</sub> shell formation mechanism and enlargement on hydrophobized nanoparticles via a reverse microemulsion process. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 84, 110-117.	1.1	10
58	Theranostic Agent Combining Fullerene Nanocrystals and Gold Nanoparticles for Photoacoustic Imaging and Photothermal Therapy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4686.	1.8	10
59	Formation of a High Conductivity Fuel Cell Electrolyte by Pressing Diphenylsiloxane-Based Inorganic-Organic Hybrid Particles. <i>Journal of the American Ceramic Society</i> , 2009, 92, S185-S188.	1.9	9
60	Preparation Condition of a Novel Organic-Inorganic Hybrid Vesicle "Cerasome".. <i>Kobunshi Ronbunshu</i> , 2000, 57, 251-253.	0.2	8
61	Enzyme-Assisted Synthesis of Titania under Ambient Conditions. <i>Journal of the American Ceramic Society</i> , 2009, 92, S181-S184.	1.9	8
62	Preparation of hollow titania and strontium titanate spheres using sol-gel derived silica gel particles as templates. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 63, 366-372.	1.1	8
63	Metal Hydroxide Salt Monolayer Nanoparticles: Synthesis, Redox Characterization, and Electrochemical Catalytic Performance. , 2022, 4, 1430-1435.		8
64	Facile Functionalization of Lipid Bilayer Vesicles by Titania: The Use of Cerasome-Forming Lipids for Surface and Core Modification. <i>Bioconjugate Chemistry</i> , 2006, 17, 1099-1104.	1.8	7
65	Effects of Addition of Supramolecular Assembly on the Anatase Nanocrystalline Precipitation of Sol-Gel Derived SiO <sub>2</sub> /TiO <sub>2</sub> Coating Films by Hot-Water Treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1802-1806.	0.9	7
66	Structure of Polyphenylsilsesquioxane Particles Prepared by Two-Step Acid-Base Catalyzed Sol-Gel Process and Formation of Hollow Particles. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3307-3312.	0.9	7
67	Preparation of sheet-like electrolytes from poly(2-acrylamido-2-methyl-1-propanesulfonic) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 5	1.3	7
68	Preparation of Hollow TiO <sub>2</sub> Spheres of the Desired Polymorphs by Layer-by-Layer Assembly of a Water-Soluble Titanium Complex and Hydrothermal Treatment. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3267-3272.	1.0	7
69	Photocatalytic reduction of carbon dioxide by strontium titanate nanocube-dispersed mesoporous silica. <i>Journal of Asian Ceramic Societies</i> , 2017, 5, 255-260.	1.0	7
70	Surface-sulfonation and fuel cell properties of phenylsilsesquioxane-based particles. <i>Solid State Ionics</i> , 2008, 179, 1166-1169.	1.3	6
71	Preparation of layered double hydroxide coating films via the aqueous solution process using binary oxide gel films as precursor. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 356-358.	0.5	6
72	Preparation of pH-Responsive Hollow Capsules via Layer-by-Layer Assembly of Exfoliated Layered Double Hydroxide Nanosheets and Polyelectrolytes. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 110-115.	0.9	6

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73	Magnetically Navigated Protein Transduction In Vivo using Iron Oxide@Nanogel Chaperone Hybrid. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001988.	3.9	6
74	Highly Hydrophobic Flip-Flop-Type Ultrathin Coating Films Prepared via Electrostatic Self-Assembly. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 404-407.	0.9	5
75	Percolated interface conductivity of sheet-like electrolyte prepared from poly(2-acrylamido-2-methyl-1-propanesulfonic acid)-deposited core@shell particles and effect of core particle size. <i>Journal of Power Sources</i> , 2010, 195, 5942-5946.	4.0	5
76	Magnetically Guided Protein Transduction by Hybrid Nanogel Chaperones with Iron Oxide Nanoparticles. <i>Angewandte Chemie</i> , 2016, 128, 11549-11553.	1.6	5
77	Sol-gel nanohybrid materials prepared via supramolecular organization. <i>Journal of Sol-Gel Science and Technology</i> , 2008, 46, 251-257.	1.1	4
78	Synthesis of green emission upconversion phosphor nanosheets (LaNb <sub>2</sub> O <sub>7</sub> ) doped with Er <sup>3+</sup> and Yb <sup>3+</sup> . <i>Journal of Luminescence</i> , 2016, 173, 130-134.	1.5	3
79	Ammonolysis-free synthesis of La <sub>2</sub> O <sub>2</sub> CN <sub>2</sub> by cyanamidation of La(OH) <sub>3</sub> using urea, and its photoluminescence properties. <i>Ceramics International</i> , 2019, 45, 9325-9329.	2.3	3
80	Size Effect of Hydroxide Nanobuilding Blocks and Nonionic Block Copolymer Templates on the Formation of Ordered Mesoporous Structures. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4883-4889.	1.2	3
81	Interconnection of organic-inorganic hybrid nano-building blocks towards thermally robust mesoporous structures. <i>Nanoscale</i> , 2021, 13, 11446-11454.	2.8	3
82	Formation of Photocatalytic Novel Oxide Crystallites with Al:Ti = 1: 1 in Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> Gels by Mechanochemical Treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 342-349.	0.9	2
83	Controlled radical polymerization of styrene with magnetic iron oxides prepared through hydrothermal, bioinspired, and bacterial processes. <i>RSC Advances</i> , 2015, 5, 51122-51129.	1.7	2
84	Synthesis of Highly Activated Magnesium by Niobium and Tantalum Gel Oxide Catalyst. <i>Materials Transactions</i> , 2021, 62, 284-289.	0.4	2
85	Organic-inorganic nanohybrid particles for biomedical applications. , 2021, , 113-135.		2
86	Reversible conjugation of biomembrane vesicles with magnetic nanoparticles using a self-assembled nanogel interface: single particle analysis using imaging flow cytometry. <i>Nanoscale Advances</i> , 2022, 4, 1999-2010.	2.2	2
87	Understanding the Electrophoretic Deposition Accompanied by Electrochemical Reactions Toward Structurally Colored Bilayer Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, , .	4.0	2
88	Non-ammonolysis synthesis and characterisation of environmentally benign yellow pigments based on calcium-tantalum perovskite oxynitrides. <i>Materials Advances</i> , 2022, 3, 4899-4907.	2.6	2
89	High Heat Resistance of the Structural Coloration of Colloidal Arrays with Inorganic Black Additives. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 29324-29330.	4.0	2
90	Aqueous phase deposition of Fe <sub>3</sub> O <sub>4</sub> on the polyelectrolyte multilayered films prepared via layer-by-layer assembly. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 321, 262-265.	2.3	1

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91	Periodic alignment of sol-gel derived, monodisperse phenylsilsesquioxane particles on a pregrooved substrate. Journal of Non-Crystalline Solids, 2008, 354, 1318-1321.	1.5	1
92	Organic-Inorganic Hybrid Materials Prepared Through Supramolecular Assembly. , 2013, , 1011-1023.		0
93	2019 newly elevated Fellows of the International Sol-Gel Society. Journal of Sol-Gel Science and Technology, 2020, 95, 517-519.	1.1	0
94	Structurally Coloured Coatings Prepared via the Electrophoretic Deposition of Spherical Particles. Journal of the Japan Society of Colour Material, 2019, 92, 355-361.	0.0	0
95	Ammonia-free synthesis and color tuning of oxynitride perovskite SrTaO <sub>2</sub> N-SrTiO <sub>3</sub> solid solution by using alkoxide-derived Ta-Ti binary oxide gel precursors. Journal of Sol-Gel Science and Technology, 0, , .	1.1	0
96	Effects of electrophoretic deposition conditions on the formation of colloidal crystalline/amorphous arrays of SiO <sub>2</sub> particles. Journal of Sol-Gel Science and Technology, 0, , .	1.1	0