Sadaki Samitsu

List of Publications by Year
in descending order

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60 papers	2,672 citations	257450 24 h-index	182427 51 g-index
61 all docs	61 docs citations	61 times ranked	3556 citing authors

#	Article	IF	Citations
1	Nanostructural control of transparent hydroxyapatite nanoparticle films using a citric acid coordination technique. Journal of Materials Chemistry B, 2022, 10, 396-405.	5.8	7
2	Calibration for a count rate-dependent time correlation function and a random noise reduction in pulsed dynamic light scattering. Analytical Sciences, 2022, 38, 607-611.	1.6	1
3	Coordination State Control of Citric Acid Molecules on Europium(III) Ion-Doped Hydroxyapatite Nanoparticles for Highly Efficient Photoluminescence toward Biomedical Applications. ACS Applied Nano Materials, 2022, 5, 2305-2315.	5.0	6
4	Effective Immobilization of Monomeric Methylene Blue on Hydroxyapatite Nanoparticles by Controlling Inorganicâ€“Organic Interfacial Interactions. Inorganic Chemistry, 2022, 61, 4865-4878.	4.0	3
5	Fabrication of mesoporous crystalline microparticles of poly(ether sulfone) via solvent-induced crystallization. Polymer, 2022, 248, 124744.	3.8	4
6	Freeze-Burn: Fabrication of Porous Carbon Networks via Polymer-Templated Rapid Thermal Annealing. ACS Applied Polymer Materials, 2022, 4, 4329-4338.	4.4	9
7	Solvent Effects during the Flash-Freezing Fabrication of Mesoporous Polystyrenes. Macromolecules, 2022, 55, 3734-3746.	4.8	0
8	Fabrication and characterization of zeolite bulk body containing mesopores and macropores using starch as pore-forming agent. Advanced Powder Technology, 2022, 33, 103626.	4.1	5
9	Liquid Marble Patchwork on Superâ€Repellent Surface. Advanced Functional Materials, 2021, 31, 2010957.	14.9	19
10	Highly transparent and photopatternable spirobifluorene-based polythioethers with high refractive indices via thiol-ene click chemistry. Polymer, 2021, 224, 123725.	3.8	10
11	Synthesis and Characterization of Titanium Dioxide Hollow Nanofiber for Photocatalytic Degradation of Methylene Blue Dye. Membranes, 2021, 11, 581.	3.0	19
12	Photocurable selenophene/maleimide-based high-refractive-index copolymers obtained via radical copolymerization. Reactive and Functional Polymers, 2021, 165, 104960.	4.1	5
13	Post-processing noise reduction via all-photon recording in dynamic light scattering. Science and Technology of Advanced Materials Methods, 2021, 1, 134-142.	1.3	2
14	Prediction of the coefficient of linear thermal expansion for the amorphous homopolymers based on chemical structure using machine learning. Science and Technology of Advanced Materials Methods, 2021, 1, 213-224.	1.3	4
15	Preparation of highly transparent poly(meth)acrylates with enhanced refractive indices by radical (co)polymerization of seleno(meth)acrylates. Polymer, 2021, 237, 124346.	3.8	3
16	Efficient removal of partially hydrolysed polyacrylamide in polymer-flooding produced water using photocatalytic graphitic carbon nitride nanofibres. Arabian Journal of Chemistry, 2020, 13, 4341-4349.	4.9	25
17	Highly Luminescent Hydroxyapatite Nanoparticles Hybridized with Citric Acid for Their Bifunctional Cell-Labeling and Cytostatic Suppression Properties. ACS Applied Nano Materials, 2020, 3, 241-256.	5.0	16
18	Mechanistic insight of the formation of visible-light responsive nanosheet graphitic carbon nitride embedded polyacrylonitrile nanofibres for wastewater treatment. Journal of Water Process Engineering, 2020, 33, 101015.	5.6	23

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19	Effects of carbonization conditions on the microporous structure and high-pressure methane adsorption behavior of glucose-derived graphene. Korean Journal of Chemical Engineering, 2020, 37, 2068-2074.	2.7	1
20	Bottlebrush polymer-reinforced transparent multiphase plastics with enhanced thermal stability. Chemical Communications, 2020, 56, 14641-14644.	4.1	0
21	Highly Transparent Benzothiazole-Based Block and Random Copolymers with High Refractive Indices by RAFT Polymerization. ACS Applied Polymer Materials, 2020, 2, 3205-3214.	4.4	14
22	Fabrication of porous (Ba,Sr)(Co,Fe)O3-Î´ (BSCF) ceramics using gelatinization and retrogradation phenomena of starch as pore-forming agent. Ceramics International, 2020, 46, 13047-13053.	4.8	16
23	Methane adsorption by porous graphene derived from rice husk ashes under various stabilization temperatures. Carbon Letters, 2020, 30, 535-543.	5.9	26
24	Toughening Effect of Rodlike Cellulose Nanocrystals in Epoxy Adhesive. ACS Applied Polymer Materials, 2020, 2, 1234-1243.	4.4	38
25	Durable and Flexible Superhydrophobic Materials: Abrasion/Scratching/Slicing/Droplet Impacting/Bending/Twisting-Tolerant Composite with Porcupinefish-Like Structure. ACS Applied Materials & Interfaces, 2019, 11, 32381-32389.	8.0	97
26	Prediction and optimization of epoxy adhesive strength from a small dataset through active learning. Science and Technology of Advanced Materials, 2019, 20, 1010-1021.	6.1	59
27	Homogeneously Dispersed Polyrotaxane in Epoxy Adhesive and Its Improvement in the Fracture Toughness. Macromolecules, 2019, 52, 2464-2475.	4.8	51
28	Simultaneous Detection and Repair of Wetting Defects in Superhydrophobic Coatings via Cassieâ€“Wenzel Transitions of Liquid Marbles. Advanced Functional Materials, 2019, 29, 1900688.	14.9	42
29	Photocatalytic nanofiber-coated alumina hollow fiber membranes for highly efficient oilfield produced water treatment. Chemical Engineering Journal, 2019, 360, 1437-1446.	12.7	66
30	Photocatalytic degradation of oilfield produced water using graphitic carbon nitride embedded in electrospun polyacrylonitrile nanofibers. Chemosphere, 2018, 204, 79-86.	8.2	51
31	Thermally Stable Mesoporous Poly(ether sulfone) Monoliths with Nanofiber Network Structures. Macromolecules, 2018, 51, 151-160.	4.8	17
32	Scattering-angle-dependent Christiansen color spectra data of poly(vinyl chloride) (PVC) suspended in styrene liquid and a comprehensive data list of wavelength-dependent refractive indices of PVC. Data in Brief, 2018, 20, 1099-1104.	1.0	3
33	Thermo-resettable cross-linked polymers for reusable/removable adhesives. Polymer Chemistry, 2018, 9, 5559-5565.	3.9	30
34	Natural Polyphenol Surfactants: Solvent-Mediated Spherical Nanocontainers and Their Stimuli-Responsive Release of Molecular Payloads. Chemistry of Materials, 2018, 30, 8025-8033.	6.7	11
35	Transmitting and scattering colors of porous particles of poly(vinyl chloride) based on Christiansen effect. Polymer, 2018, 147, 237-246.	3.8	12
36	Synthesis of silica glasses doped with SiAl ON phosphors by supercritical drying. International Journal of Applied Glass Science, 2017, 8, 247-252.	2.0	4

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37	Nanoprecipitation for ultrafiltration membranes. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 615-620.	2.1	4
38	Effective Surface Functionalization of Carbon Fibers for Fiber/Polymer Composites with Tailorâ€Made Interfaces. ChemPlusChem, 2014, 79, 197-210.	2.8	21
39	Hydrophilic polymer nanofibre networks for rapid removal of aromatic compounds from water. Chemical Communications, 2014, 50, 9393-9396.	4.1	15
40	Living supramolecular polymerization realized through a biomimetic approach. Nature Chemistry, 2014, 6, 188-195.	13.6	666
41	Frontispiece: Effective Surface Functionalization of Carbon Fibers for Fiber/Polymer Composites with Tailorâ€Made Interfaces. ChemPlusChem, 2014, 79, .	2.8	0
42	Enhanced ethanol-gas sensing performance of Ce-doped SnO2 hollow nanofibers prepared by electrospinning. Sensors and Actuators B: Chemical, 2013, 188, 872-878.	7.8	86
43	Ultrathin free-standing membranes from metal hydroxide nanostrands. Journal of Membrane Science, 2013, 448, 270-291.	8.2	31
44	Effective Functionalization of Disordered Oxide Lattices on Iron Particle Surfaces Using Mechanochemical Reactions. Journal of Physical Chemistry C, 2013, 117, 9908-9919.	3.1	13
45	Flash freezing route to mesoporous polymer nanofibre networks. Nature Communications, 2013, 4, 2653.	12.8	75
46	Ultrafast Viscous Permeation of Organic Solvents Through Diamond-Like Carbon Nanosheets. Science, 2012, 335, 444-447.	12.6	322
47	Ultrathin freestanding nanoporous membranes prepared from polystyrene nanoparticles. Journal of Materials Chemistry, 2011, 21, 1684-1688.	6.7	62
48	Ultrafiltration Membranes Composed of Highly Crossâ€Linked Cationic Polymer Gel: the Network Structure and Superior Separation Performance. Advanced Materials, 2011, 23, 2004-2008.	21.0	40
49	Molecular manipulator driven by spatial variation of liquid-crystalline order. Nature Materials, 2010, 9, 816-820.	27.5	46
50	Field-Effect Carrier Transport in Poly(3-alkylthiophene) Nanofiber Networks and Isolated Nanofibers. Macromolecules, 2010, 43, 7891-7894.	4.8	78
51	Self-Assembly and One-Dimensional Alignment of a Conducting Polymer Nanofiber in a Nematic Liquid Crystal. Macromolecules, 2009, 42, 4366-4368.	4.8	41
52	Effective Production of Poly(3-alkylthiophene) Nanofibers by means of Whisker Method using Anisole Solvent: Structural, Optical, and Electrical Properties. Macromolecules, 2008, 41, 8000-8010.	4.8	255
53	Nanofiber preparation by whisker method using solvent-soluble conducting polymers. Thin Solid Films, 2008, 516, 2478-2486.	1.8	54
54	Synthesis of a Molecular Tube in Dimethyl Sulfoxide and Its Inclusion Complexation Behavior with Poly(ethylene oxide-ran-propylene oxide). Macromolecules, 2008, 41, 5385-5392.	4.8	11

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55	Conducting Nanofiber. Kobunshi, 2006, 55, 134-137.	0.0	0
56	New solvent for polyrotaxane. II. Dissolution behavior of polyrotaxane in ionic liquids and preparation of ionic liquid-containing slide-ring gels. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1985-1994.	2.1	59
57	Conductivity measurements of individual poly(3,4-ethylenedioxythiophene)/poly(styrenesulfonate) nanowires on nanoelectrodes using manipulation with an atomic force microscope. Applied Physics Letters, 2005, 86, 233103.	3.3	58
58	Conductivity measurements of PEDOT nanowires on nanoelectrodes. Synthetic Metals, 2005, 152, 497-500.	3.9	26
59	Immobilization of molecular tubes on self-assembled monolayers of Î²-cyclodextrin and dodecanethiol inclusion complexes. Applied Physics Letters, 2004, 85, 3875-3877.	3.3	9
60	Metastable Nanoporous Palladium Evolving from Palladium Nanocrystals. ChemNanoMat, 0, , .	2.8	1