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	Living supramolecular polymerization realized through a biomimetic approach. Nature Chemistry, 2014, 6, 188-195.	13.6	666
2	Ultrafast Viscous Permeation of Organic Solvents Through Diamond-Like Carbon Nanosheets. Science, 2012, 335, 444-447.	12.6	322
3	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
4	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
5	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
6	Field-Effect Carrier Transport in Poly(3-alkylthiophene) Nanofiber Networks and Isolated Nanofibers. Macromolecules, 2010, 43, 7891-7894.	4.8	78
7	Flash freezing route to mesoporous polymer nanofibre networks. Nature Communications, 2013, 4, 2653.	12.8	75
8	Photocatalytic nanofiber-coated alumina hollow fiber membranes for highly efficient oilfield produced water treatment. Chemical Engineering Journal, 2019, 360, 1437-1446.	12.7	66
9	Ultrathin freestanding nanoporous membranes prepared from polystyrene nanoparticles. Journal of Materials Chemistry, 2011, 21, 1684-1688.	6.7	62
10	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
11	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
12	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
13	Nanofiber preparation by whisker method using solvent-soluble conducting polymers. Thin Solid Films, 2008, 516, 2478-2486.	1.8	54
14	Photocatalytic degradation of oilfield produced water using graphitic carbon nitride embedded in electrospun polyacrylonitrile nanofibers. Chemosphere, 2018, 204, 79-86.	8.2	51
15	Homogeneously Dispersed Polyrotaxane in Epoxy Adhesive and Its Improvement in the Fracture Toughness. Macromolecules, 2019, 52, 2464-2475.	4.8	51
16	Molecular manipulator driven by spatial variation of liquid-crystalline order. Nature Materials, 2010, 9, 816-820.	27.5	46
17	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
18	Self-Assembly and One-Dimensional Alignment of a Conducting Polymer Nanofiber in a Nematic Liquid Crystal. Macromolecules, 2009, 42, 4366-4368.	4.8	41

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19	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
20	Toughening Effect of Rodlike Cellulose Nanocrystals in Epoxy Adhesive. ACS Applied Polymer Materials, 2020, 2, 1234-1243.	4.4	38
21	Ultrathin free-standing membranes from metal hydroxide nanostrands. Journal of Membrane Science, 2013, 448, 270-291.	8.2	31
22	Thermo-resettable cross-linked polymers for reusable/removable adhesives. Polymer Chemistry, 2018, 9, 5559-5565.	3.9	30
23	Conductivity measurements of PEDOT nanowires on nanoelectrodes. Synthetic Metals, 2005, 152, 497-500.	3.9	26
24	Methane adsorption by porous graphene derived from rice husk ashes under various stabilization temperatures. Carbon Letters, 2020, 30, 535-543.	5.9	26
25	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
26	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
27	Effective Surface Functionalization of Carbon Fibers for Fiber/Polymer Composites with Tailorâ€Made Interfaces. ChemPlusChem, 2014, 79, 197-210.	2.8	21
28	Liquid Marble Patchwork on Superâ€Repellent Surface. Advanced Functional Materials, 2021, 31, 2010957.	14.9	19
29	Synthesis and Characterization of Titanium Dioxide Hollow Nanofiber for Photocatalytic Degradation of Methylene Blue Dye. Membranes, 2021, 11, 581.	3.0	19
30	Thermally Stable Mesoporous Poly(ether sulfone) Monoliths with Nanofiber Network Structures. Macromolecules, 2018, 51, 151-160.	4.8	17
31	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
32	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
33	Hydrophilic polymer nanofibre networks for rapid removal of aromatic compounds from water. Chemical Communications, 2014, 50, 9393-9396.	4.1	15
34	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
35	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
36	Transmitting and scattering colors of porous particles of poly(vinyl chloride) based on Christiansen effect. Polymer, 2018, 147, 237-246.	3.8	12

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37	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
38	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
39	Highly transparent and photopatternable spirobifluorene-based polythioethers with high refractive indices via thiol-ene click chemistry. Polymer, 2021, 224, 123725.	3.8	10
40	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
41	Freeze-Burn: Fabrication of Porous Carbon Networks via Polymer-Templated Rapid Thermal Annealing. ACS Applied Polymer Materials, 2022, 4, 4329-4338.	4.4	9
42	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
43	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
44	Photocurable selenophene/maleimide-based high-refractive-index copolymers obtained via radical copolymerization. Reactive and Functional Polymers, 2021, 165, 104960.	4.1	5
45	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
46	Nanoprecipitation for ultrafiltration membranes. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 615-620.	2.1	4
47	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
48	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
49	Fabrication of mesoporous crystalline microparticles of poly(ether sulfone) via solvent-induced crystallization. Polymer, 2022, 248, 124744.	3.8	4
50	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
51	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
52	Effective Immobilization of Monomeric Methylene Blue on Hydroxyapatite Nanoparticles by Controlling Inorganicâ€“Organic Interfacial Interactions. Inorganic Chemistry, 2022, 61, 4865-4878.	4.0	3
53	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
54	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

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55	Metastable Nanoporous Palladium Evolving from Palladium Nanocrystals. ChemNanoMat, 0, , .	2.8	1
56	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
57	Conducting Nanofiber. Kobunshi, 2006, 55, 134-137.	0.0	0
58	Frontispiece: Effective Surface Functionalization of Carbon Fibers for Fiber/Polymer Composites with Tailorâ€Made Interfaces. ChemPlusChem, 2014, 79, .	2.8	0
59	Bottlebrush polymer-reinforced transparent multiphase plastics with enhanced thermal stability. Chemical Communications, 2020, 56, 14641-14644.	4.1	0
60	Solvent Effects during the Flash-Freezing Fabrication of Mesoporous Polystyrenes. Macromolecules, 2022, 55, 3734-3746.	4.8	0