

Satoshi Yoda

List of Publications by Year in descending order

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108
papers

4,976
citations

101496

36
h-index

98753

67
g-index

109
all docs

109
docs citations

109
times ranked

6429
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocellular foaming of poly (methyl methacrylate) with chlorodifluoromethane (HCFC-22)/CO ₂ binary mixtures as a model blowing agent. <i>Journal of Supercritical Fluids</i> , 2022, 181, 105502.	1.6	2
2	Development of a New Silica Aerogel-Polypropylene Foam Composite as a Highly Flexible Thermal Insulation Material. <i>Frontiers in Materials</i> , 2021, 8, .	1.2	14
3	Targeting oncogenic drivers in lung cancer: Recent progress, current challenges and future opportunities. , 2019, 193, 20-30.		49
4	The new-generation selective ROS1/NTRK inhibitor DS-6051b overcomes crizotinib resistant ROS1-G2032R mutation in preclinical models. <i>Nature Communications</i> , 2019, 10, 3604.	5.8	99
5	Structural and acoustic properties of transparent chitosan aerogel. <i>Materials Letters</i> , 2019, 254, 258-261.	1.3	33
6	A phase II trial of induction of erlotinib followed by cytotoxic chemotherapy for EGFR mutation-positive non-squamous non-small cell lung cancer patients. <i>Cancer Chemotherapy and Pharmacology</i> , 2019, 84, 1065-1071.	1.1	1
7	Formation of Nanofibrous Structure in Biopolymer Aerogel during Supercritical CO ₂ Processing: The Case of Chitosan Aerogel. <i>Biomacromolecules</i> , 2019, 20, 2051-2057.	2.6	42
8	Phase Behavior of a Carbon Dioxide/Methyl Trimethoxy Silane/Polystyrene Ternary System. <i>Polymers</i> , 2019, 11, 246.	2.0	2
9	Preparation of noble metal/polymer nanocomposites via in situ polymerization and metal complex reduction. <i>Materials Chemistry and Physics</i> , 2019, 222, 300-308.	2.0	19
10	SHP2 inhibition restores sensitivity in ALK-rearranged non-small-cell lung cancer resistant to ALK inhibitors. <i>Nature Medicine</i> , 2018, 24, 512-517.	15.2	155
11	Sequential ALK Inhibitors Can Select for Lorlatinib-Resistant Compound <i>ALK</i> Mutations in ALK-Positive Lung Cancer. <i>Cancer Discovery</i> , 2018, 8, 714-729.	7.7	228
12	Phase behavior of Carbon dioxide/Trimethoxy(methyl)silane and Methylsilicate 51 system. <i>Fluid Phase Equilibria</i> , 2018, 455, 6-14.	1.4	8
13	Phase behavior of Carbon dioxide/Tetramethyl orthosilicate/polymer ternary systems. <i>Fluid Phase Equilibria</i> , 2018, 457, 1-10.	1.4	7
14	Tracking the Evolution of Resistance to ALK Tyrosine Kinase Inhibitors Through Longitudinal Analysis of Circulating Tumor DNA. <i>JCO Precision Oncology</i> , 2018, 2018, 1-14.	1.5	86
15	Impact of <i>EML4-ALK</i> Variant on Resistance Mechanisms and Clinical Outcomes in <i>ALK</i> -Positive Lung Cancer. <i>Journal of Clinical Oncology</i> , 2018, 36, 1199-1206.	0.8	246
16	Landscape of Acquired Resistance to Osimertinib in <i>EGFR</i> -Mutant NSCLC and Clinical Validation of Combined EGFR and RET Inhibition with Osimertinib and BLU-667 for Acquired <i>RET</i> Fusion. <i>Cancer Discovery</i> , 2018, 8, 1529-1539.	7.7	342
17	Solubilities of Organic Semiconductors and Nonsteroidal Anti-inflammatory Drugs in Pure and Mixed Organic Solvents: Measurement and Modeling with Hansen Solubility Parameter. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 3889-3901.	1.0	19
18	Upscaled Preparation of Trimethylsilylated Chitosan Aerogel. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 10421-10430.	1.8	25

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19	Thermal decomposition of copper (II) acetylacetonate in supercritical carbon dioxide: In situ observation via UV-vis spectroscopy. <i>Journal of Supercritical Fluids</i> , 2017, 123, 82-91.	1.6	11
20	Erlotinib as second- or third-line treatment in elderly patients with advanced non-small cell lung cancer: Keio Lung Oncology Group Study 001 (KLOG001). <i>Molecular and Clinical Oncology</i> , 2017, 6, 409-414.	0.4	9
21	Translucent, hydrophobic, and mechanically tough aerogels constructed from trimethylsilylated chitosan nanofibers. <i>Nanoscale</i> , 2017, 9, 12311-12315.	2.8	51
22	Aldehyde Approach to Hydrophobic Modification of Chitosan Aerogels. <i>Biomacromolecules</i> , 2017, 18, 2172-2178.	2.6	57
23	Kinetic study of the microflow synthesis of 4-hydroxyquinoline in supercritical ethanol. <i>Journal of Supercritical Fluids</i> , 2016, 114, 18-25.	1.6	3
24	Gas-Responsive Photoluminescence of YVO ₄ :Eu ³⁺ Nanoparticles Dispersed in an Ultralight, Three-Dimensional Nanofiber Network. <i>Chemistry of Materials</i> , 2016, 28, 8466-8469.	3.2	28
25	Molecular Mechanisms of Resistance to First- and Second-Generation ALK Inhibitors in ALK-Rearranged Lung Cancer. <i>Cancer Discovery</i> , 2016, 6, 1118-1133.	7.7	919
26	A phase II study of biweekly paclitaxel and carboplatin in elderly patients with advanced non-small cell lung cancer. <i>Cancer Chemotherapy and Pharmacology</i> , 2015, 75, 513-519.	1.1	6
27	A Phase II study of S-1 and irinotecan combination therapy in previously treated patients with advanced non-small cell lung cancer. <i>Japanese Journal of Clinical Oncology</i> , 2015, 45, 356-361.	0.6	6
28	Chitosan Aerogels: Transparent, Flexible Thermal Insulators. <i>Chemistry of Materials</i> , 2015, 27, 7569-7572.	3.2	160
29	Solubility of N,N'-Di(1-naphthyl)-N,N'-diphenyl Benzidine (NPB) in Various Organic Solvents: Measurement and Correlation with the Hansen Solubility Parameter. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 8801-8808.	1.8	18
30	Methylation-induced downregulation of TFPI-2 causes TMRSS 4 overexpression and contributes to oncogenesis in a subset of non-small cell lung carcinoma. <i>Cancer Science</i> , 2015, 106, 34-42.	1.7	18
31	Porous Polyimide-Silica Composite: A New Thermal Resistant Flexible Material. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1645, 1.	0.1	0
32	Near-infrared spectroscopic measurements of volume expansion and composition of CO ₂ -expanded ethyl acetate, acetone, tetrahydrofuran, acetonitrile, methanol-OD, and dimethyl sulfoxide. <i>Vibrational Spectroscopy</i> , 2014, 70, 42-48.	1.2	3
33	Continuous hydrothermal synthesis of Ca ¹⁴⁷ Sr TiO ₃ solid-solution nanoparticles using a T-type micromixer. <i>Journal of Supercritical Fluids</i> , 2014, 85, 159-164.	1.6	8
34	Claudin-1 is a novel target of miR-375 in non-small-cell lung cancer. <i>Lung Cancer</i> , 2014, 85, 366-372.	0.9	41
35	Expression of fibroblast growth factor 9 is associated with poor prognosis in patients with resected non-small cell lung cancer. <i>Lung Cancer</i> , 2014, 83, 90-96.	0.9	44
36	Ultrafast hydrothermal synthesis of Pr-doped Ca _{0.6} Sr _{0.4} TiO ₃ red phosphor nanoparticles using corrosion resistant microfluidic devices with Ti-lined structure under high-temperature and high-pressure condition. <i>Chemical Engineering Journal</i> , 2014, 239, 360-363.	6.6	9

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37	Near-infrared spectroscopic solubility measurement for thermodynamic analysis of melting point depressions of biphenyl and naphthalene under high-pressure CO ₂ . <i>Journal of Supercritical Fluids</i> , 2014, 86, 91-99.	1.6	10
38	Activation of the FGF2-FGFR1 Autocrine Pathway: A Novel Mechanism of Acquired Resistance to Gefitinib in NSCLC. <i>Molecular Cancer Research</i> , 2013, 11, 759-767.	1.5	179
39	A porous polymer-silica composite with a vesicle-like structure for thermal insulating materials prepared via high pressure phase control. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9620.	5.2	11
40	Identification of microRNAs differentially expressed between lung squamous cell carcinoma and lung adenocarcinoma. <i>Molecular Medicine Reports</i> , 2013, 8, 456-462.	1.1	59
41	Preparation of Rare-Earth Doped Zirconia Nanoparticles via Supercritical Hydrothermal Method for Luminescence Properties. <i>Key Engineering Materials</i> , 2012, 512-515, 59-64.	0.4	3
42	Solubility of Terephthalic Acid in Subcritical Water. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 1810-1816.	1.0	39
43	Direct carbonylation of nitrobenzene to phenylisocyanate using gas-liquid slug flow in microchannel. <i>Chemical Engineering Journal</i> , 2012, 180, 250-254.	6.6	38
44	Phase behavior for carbon dioxide/tetraalkoxysilane systems. <i>Fluid Phase Equilibria</i> , 2012, 322-323, 135-141.	1.4	14
45	Preparation of Polymer Foam-Silica Aerogel Composites and its Evaluation as Thermal Insulator. <i>Seikai-Kakou</i> , 2012, 24, 154-158.	0.0	4
46	Abstract 4585: Expression of fibroblast growth factor-9 is associated with poor prognosis of resected non-small cell lung cancer patients. , 2012, , .		0
47	Impregnation of paclitaxel into poly(dl-lactic acid) using high pressure mixture of ethanol and carbon dioxide. <i>RSC Advances</i> , 2011, 1, 156.	1.7	11
48	Near-Infrared Spectroscopic Study of a Water-in-Supercritical CO ₂ Microemulsion as a Function of the Water Content. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6111-6118.	1.2	19
49	Bronchoscopic Microsampling is a Useful Complementary Diagnostic Tool for Detecting Lung Cancer. <i>Lung Cancer</i> , 2011, 72, 32-38.	0.9	17
50	Continuous Hydrothermal Synthesis of Nickel Ferrite Nanoparticles Using a Central Collision-Type Micromixer: Effects of Temperature, Residence Time, Metal Salt Molality, and NaOH Addition on Conversion, Particle Size, and Crystal Phase. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 9625-9631.	1.8	36
51	The PCR-invader method (structure-specific 5' nuclease-based method), a sensitive method for detecting EGFR gene mutations in lung cancer specimens; comparison with direct sequencing. <i>International Journal of Clinical Oncology</i> , 2011, 16, 335-344.	1.0	47
52	A phase I study of S-1 and irinotecan combination therapy in previously treated advanced non-small cell lung cancer patients. <i>Cancer Chemotherapy and Pharmacology</i> , 2011, 67, 717-722.	1.1	4
53	Continuous hydrothermal synthesis of Fe ₂ O ₃ , NiO, and CuO nanoparticles by superrapid heating using a T-type micro mixer at 673 K and 30 MPa. <i>Chemical Engineering Journal</i> , 2011, 166, 947-953.	6.6	44
54	Abstract 4956: Identification of microRNAs differentially expressed between lung squamous cell carcinoma and lung adenocarcinoma. , 2011, , .		0

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55	The Combination of Multiple Receptor Tyrosine Kinase Inhibitor and Mammalian Target of Rapamycin Inhibitor Overcomes Erlotinib Resistance in Lung Cancer Cell Lines through c-Met Inhibition. <i>Molecular Cancer Research</i> , 2010, 8, 1142-1151.	1.5	24
56	Continuous Hydrothermal Synthesis of Fe ₂ O ₃ Nanoparticles Using a Central Collision-Type Micromixer for Rapid and Homogeneous Nucleation at 673 K and 30 MPa. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 8841-8846.	1.8	31
57	Determination of Dissociation Constants of Hexanoic, Heptanoic, and Benzoic Acids to 673 K and 30 MPa by Potentiometric pH Measurements. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 4823-4826.	1.0	4
58	Spectroscopic Study of Acid-base Equilibria and Ion Pairing in Supercritical Methanol. <i>Journal of Solution Chemistry</i> , 2009, 38, 545-555.	0.6	3
59	Characterization of Water/Supercritical CO ₂ Microemulsion by UV-visible Spectroscopy and Dynamic Light Scattering. <i>Journal of Oleo Science</i> , 2009, 58, 75-83.	0.6	20
60	Super-rapid Hydrothermal Synthesis of Highly Crystalline and Water-soluble Magnetite Nanoparticles Using a Microreactor. <i>Chemistry Letters</i> , 2009, 38, 792-793.	0.7	13
61	Hydrothermal-reduction Synthesis of Ni Nanoparticles by Superrapid Heating Using a Micromixer. <i>Chemistry Letters</i> , 2009, 38, 1018-1019.	0.7	10
62	Deregulation of histone lysine methyltransferases contributes to oncogenic transformation of human bronchoepithelial cells. <i>Cancer Cell International</i> , 2008, 8, 15.	1.8	129
63	Silver Nanoparticle Impregnated Polycarbonate Substrates for Surface Enhanced Raman Spectroscopy. <i>Advanced Functional Materials</i> , 2008, 18, 1265-1271.	7.8	89
64	Solubility measurements of noble metal acetylacetonates in supercritical carbon dioxide by high performance liquid chromatography (HPLC). <i>Journal of Supercritical Fluids</i> , 2008, 44, 139-147.	1.6	45
65	Prediction of Partition Coefficients of Benzothiophene and Benzothiophene 1,1-Dioxide in Octane/Acetonitrile System Using COSMO Theory. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 3247-3252.	1.8	6
66	Fourier Transform Infrared Spectroscopic Study of Water-in-Supercritical CO ₂ Microemulsion as a Function of Water Content. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8943-8949.	1.2	26
67	Water/Supercritical CO ₂ Microemulsions with Mixed Surfactant Systems. <i>Langmuir</i> , 2008, 24, 10116-10122.	1.6	40
68	Noncatalytic Ortho-Selective Methylation of Phenol in Supercritical Methanol: the Mechanism and Acid/Base Effect. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 704-709.	1.8	26
69	Synthesis of Poly(2,6-dimethyl-1,4-phenylene oxide) by Double-Step Polymerization in Supercritical Carbon Dioxide. <i>Kobunshi Ronbunshu</i> , 2008, 65, 688-694.	0.2	0
70	Surfactant-Mixing Effects on the Interfacial Tension and the Microemulsion Formation in Water/Supercritical CO ₂ System. <i>Langmuir</i> , 2007, 23, 2369-2375.	1.6	48
71	Optimum Tail Length of Fluorinated Double-Tail Anionic Surfactant for Water/Supercritical CO ₂ Microemulsion Formation. <i>Langmuir</i> , 2007, 23, 8784-8788.	1.6	29
72	The preparation of gold nanoparticle composites using supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2007, 42, 282-287.	1.6	41

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73	Measurement and correlation of liquid-liquid equilibria for acetonitrile+n-alkane systems. Fluid Phase Equilibria, 2007, 257, 147-150.	1.4	9
74	One-Step Preparation of Chitosan-Coated Cationic Liposomes by an Improved Supercritical Reverse-Phase Evaporation Method. Langmuir, 2006, 22, 4054-4059.	1.6	60
75	Microstructural characterisation of silver/polymer nanocomposites prepared using supercritical carbon dioxide. Journal of Physics: Conference Series, 2006, 26, 276-279.	0.3	7
76	Preparation of Liposomes Using an Improved Supercritical Reverse Phase Evaporation Method. Langmuir, 2006, 22, 2543-2550.	1.6	134
77	Gas permeation properties of carbon molecular sieve membranes dispersed with palladium nano particles via supercritical CO ₂ impregnation. Desalination, 2006, 193, 211-214.	4.0	6
78	Nanoscale Architecture of Metal-Oxide-Pillared Clays using Supercritical CO ₂ . Advanced Materials, 2005, 17, 367-369.	11.1	10
79	Noncatalytic mono-N-methylation of aniline in supercritical methanol: the kinetics and acid/base effect. Chemical Communications, 2005, , 3965.	2.2	23
80	Acetone hydration in supercritical water: ¹³ C-NMR spectroscopy and Monte Carlo simulation. Journal of Chemical Physics, 2004, 120, 6100-6110.	1.2	24
81	Direct synthesis of poly(L-lactic acid) in supercritical carbon dioxide with dicyclohexyldimethylcarbodiimide and 4-dimethylaminopyridine. Polymer, 2004, 45, 7839-7843.	1.8	26
82	Interfacial Properties of Branch-Tailed Fluorinated Surfactants Yielding a Water/Supercritical CO ₂ Microemulsion. Langmuir, 2004, 20, 2560-2566.	1.6	57
83	Surface Activity of Myristic Acid in the Poly(methyl methacrylate)/Supercritical Carbon Dioxide System. Langmuir, 2004, 20, 6182-6186.	1.6	15
84	Synthesis of titania-pillared montmorillonite via intercalation of titanium alkoxide dissolved in supercritical carbon dioxide. Journal of Materials Chemistry, 2004, 14, 2763.	6.7	23
85	Platinum-silica aerogels via supercritical drying and impregnation. Journal of Non-Crystalline Solids, 2004, 350, 320-325.	1.5	17
86	Preparation of a Platinum and Palladium/Polyimide Nanocomposite Film as a Precursor of Metal-Doped Carbon Molecular Sieve Membrane via Supercritical Impregnation. Chemistry of Materials, 2004, 16, 2363-2368.	3.2	118
87	Control of Physicochemical Properties of Liposomes Using a Supercritical Reverse Phase Evaporation Method. Langmuir, 2003, 19, 2021-2025.	1.6	58
88	Effects of CO ₂ -philic Tail Structure on Phase Behavior of Fluorinated Aerosol-OT Analogue Surfactant/Water/Supercritical CO ₂ Systems. Langmuir, 2003, 19, 8161-8167.	1.6	58
89	Dipolar Hydration Anomaly in the Temperature Dependence: Carbonyl and Nitrile Solutes Studied by ¹³ C NMR Chemical Shifts. Journal of Physical Chemistry B, 2003, 107, 9847-9852.	1.2	6
90	Preparation of a W/scCO ₂ Microemulsion Using Fluorinated Surfactants. Langmuir, 2003, 19, 220-225.	1.6	77

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91	Preparation of Nanoparticles using Supercritical Fluids. Journal of the Japan Society of Colour Material, 2003, 76, 142-148.	0.0	0
92	MIM Process of Dispersing Agent with Solubility in Supercritical Carbon Dioxide.. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2002, 49, 522-526.	0.1	1
93	TiO ₂ –montmorillonite composites via supercritical intercalation Electronic supplementary information (ESI) available: Figs. S1 and S2: powder XRD patterns. See http://www.rsc.org/suppdata/cc/b2/b202589b/ . Chemical Communications, 2002, , 1526-1527.	2.2	34
94	Effects of supercritical impregnation conditions on the properties of silica–titania aerogels. Journal of Non-Crystalline Solids, 2001, 285, 8-12.	1.5	29
95	Title is missing!. Journal of Sol-Gel Science and Technology, 2001, 22, 75-81.	1.1	26
96	Recovery of Constituent Monomers from Polyethylene Terephthalate with Supercritical Methanol. Polymer Journal, 2000, 32, 178-181.	1.3	60
97	Preparation of SiO ₂ -TiO ₂ Aerogels Using Supercritical Impregnation. Journal of Sol-Gel Science and Technology, 2000, 19, 719-723.	1.1	25
98	Preparation of titania-impregnated silica aerogels and their application to removal of benzene in air. Journal of Materials Chemistry, 2000, 10, 2151-2156.	6.7	47
99	Supercritical drying media modification for silica aerogel preparation. Journal of Non-Crystalline Solids, 1999, 248, 224-234.	1.5	51
100	Decomposition of Polyethylene 2,6-Naphthalene Dicarboxylate to Constituent Monomers Using Supercritical Methanol. Polymer Journal, 1999, 31, 714-716.	1.3	12
101	TiO ₂ -impregnated SiO ₂ aerogels by alcohol supercritical drying with zeolite. Journal of Non-Crystalline Solids, 1998, 225, 105-110.	1.5	25
102	Supercritical drying with zeolite for the preparation of silica aerogels. Journal of Non-Crystalline Solids, 1998, 231, 41-48.	1.5	15
103	Synthesis of Ultra Fine Metal-Carbon Composite Particles by Carbon Arc-Plasma and its Catalytic Activity.. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 1998, 77, 104-110.	0.2	0
104	Mechanism of Degradation in Hydrous Electrorheological (ER) Systems. Nihon Reoraji Gakkaishi, 1997, 25, 165-169.	0.2	1
105	Effects of ethanalamines catalysts on properties and microstructures of silica aerogels. Journal of Non-Crystalline Solids, 1996, 208, 191-198.	1.5	15
106	Chemically assisted dry comminution of an inorganic powder. Advanced Powder Technology, 1996, 7, 111-120.	2.0	3
107	EFFECT OF DIELECTRIC PROPERTY OF HYDROUS DISPERSOID ON ELECTORRHEOLOGY. International Journal of Modern Physics B, 1996, 10, 2849-2855.	1.0	16
108	Amorphous Iron(III) Hydroxide as Phosphate-binding Agent for Oral Administration.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1995, 1995, 19-24.	0.1	1