

# Toshimitsu Kanai

## List of Publications by Year in descending order

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41  
papers

951  
citations

516215

16  
h-index

454577

30  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1013  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of monodisperse silica-polyacrylamide hybrid particles with snowman or core-shell morphologies using a microfluidic device. <i>Journal of Asian Ceramic Societies</i> , 2022, 10, 378-385.	1.0	3
2	Visualization of Strain Using Elastomer-Immobilized Tunable Colloidal Photonic Crystal Films. <i>Journal of the Japan Society of Colour Material</i> , 2021, 94, 252-255.	0.0	0
3	Enhanced linear thermosensitivity of gel-immobilized colloidal photonic crystal film bound on glass substrate. <i>Materials Advances</i> , 2021, 2, 2600-2603.	2.6	7
4	Generation of Monodisperse Microbubbles with a Controlled Size of Less Than 10 $\mu\text{m}$ at a Generation Rate on the Order of 10 <sup>5</sup> Bubbles/s in Glass Capillary Microfluidic Devices. <i>Journal of Chemical Engineering of Japan</i> , 2021, 54, 549-556.	0.3	4
5	Preparation of monodisperse hybrid gel particles with various morphologies via flow rate and temperature control. <i>Soft Matter</i> , 2019, 15, 6934-6937.	1.2	13
6	Protection against a wide UV wavelength range by Bragg reflection from polycrystalline colloidal photonic crystals. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7512-7515.	2.7	7
7	Size-Controlled Preparation of Monodisperse Microbubbles using Co-Flow Glass Capillary Microfluidic Device. <i>Kagaku Kogaku Ronbunshu</i> , 2019, 45, 10-15.	0.1	3
8	Preparation of Emulsions by Microfluidic Devices. <i>Oleosience</i> , 2018, 18, 269-274.	0.0	0
9	Enhancement of Thermosensitivity of Gel-Immobilized Tunable Colloidal Photonic Crystals with Anisotropic Contraction. <i>ACS Macro Letters</i> , 2017, 6, 1196-1200.	2.3	21
10	Independent control of optical stop-band wavelength and width of colloidal photonic crystals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 586-590.	2.3	4
11	Microfluidic devices fabricated using stereolithography for preparation of monodisperse double emulsions. <i>Chemical Engineering Journal</i> , 2016, 290, 400-404.	6.6	56
12	Preparation of Monodisperse Solid Fat Microspheres in a Microfluidic Device. <i>Journal of Chemical Engineering of Japan</i> , 2016, 49, 541-543.	0.3	8
13	Spectral Tuning of Gel-Immobilized Colloidal Photonic Crystals. <i>Kobunshi Ronbunshu</i> , 2015, 72, 582-589.	0.2	0
14	Crystallization and reentrant melting of charged colloids in nonpolar solvents. <i>Physical Review E</i> , 2015, 91, 030301.	0.8	32
15	Gel-Immobilized Colloidal Photonic Crystals with Tunable Properties. , 2015, , 431-450.		1
16	Surface Treatment of Flow Channels in Microfluidic Devices Fabricated by Stereolithography. <i>Journal of Oleo Science</i> , 2014, 63, 93-96.	0.6	32
17	Linear thermosensitivity of gel-immobilized tunable colloidal photonic crystals. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6103.	2.7	30
18	Density and Behavior of Etch Pits on C-Face 4H-SiC Surface Produced by ClF <sub>3</sub> Gas. <i>Materials Science Forum</i> , 2012, 717-720, 379-382.	0.3	6

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19	Gel-immobilized single-crystal-like colloidal crystal films. Journal of the Ceramic Society of Japan, 2012, 120, 87-92.	0.5	7
20	Wide Spectral Tuning of Gel-immobilized Colloidal Crystals Preserving High Uniformity. Chemistry Letters, 2012, 41, 495-497.	0.7	7
21	Preparation of monodisperse PNIPAM gel particles in a microfluidic device fabricated by stereolithography. Polymer Journal, 2011, 43, 987-990.	1.3	26
22	Swelling of Gel-Immobilized Colloidal Photonic Crystals in Ionic Liquids. Macromolecules, 2011, 44, 5865-5867.	2.2	26
23	Microfluidic Fabrication of Spherical Gel-Immobilized Colloidal Crystals. Kobunshi Ronbunshu, 2011, 68, 532-539.	0.2	0
24	Widely Tunable Lasing in a Colloidal Crystal Gel Film Permanently Stabilized by an Ionic Liquid. Advanced Materials, 2011, 23, 3815-3820.	11.1	70
25	Fabrication of large-area silica colloidal crystals immobilized in hydrogel film. Journal of the Ceramic Society of Japan, 2010, 118, 370-373.	0.5	17
26	Gel-immobilized Colloidal Crystal Shell with Enhanced Thermal Sensitivity at Photonic Wavelengths. Advanced Materials, 2010, 22, 4998-5002.	11.1	117
27	Fabrication of Tunable Spherical Colloidal Crystals Immobilized in Soft Hydrogels. Small, 2010, 6, 807-810.	5.2	114
28	New Route to Produce Dry Colloidal Crystals without Cracks. Langmuir, 2009, 25, 13315-13317.	1.6	50
29	Fabrication of Large-Area Colloidal Photonic Crystals and Their Optical Property. Kobunshi Ronbunshu, 2007, 64, 1-8.	0.2	0
30	Fabrication of single-domain colloidal crystal gel films and their tuning characteristics. , 2007, , .		0
31	Tuning the Effective Width of the Optical Stop Band in Colloidal Photonic Crystals. Langmuir, 2007, 23, 3503-3505.	1.6	23
32	Quantitative Evaluation of Spatial Uniformity in Spectral Characteristics for Large-area Colloidal Crystals. Chemistry Letters, 2005, 34, 904-905.	0.7	13
33	Critical Concentration for Colloidal Crystallization Determined with Microliter Centrifuged Suspensions. Langmuir, 2005, 21, 7633-7637.	1.6	15
34	Gelation of Colloidal Crystals without Degradation in Their Transmission Quality and Chemical Tuning. Langmuir, 2005, 21, 10268-10270.	1.6	58
35	Equilibrium Characteristic at Ordered-Disordered Phase Boundary in Centrifuged Nonequilibrium Colloidal-Crystal System. Journal of the American Chemical Society, 2004, 126, 13210-13211.	6.6	10
36	Magnetic, electric, and optical functionalities of $(\text{PLZT})_x(\text{BiFeO}_3)_{1-x}$ ferroelectric-ferromagnetic thin films. Journal of Physics and Chemistry of Solids, 2003, 64, 391-397.	1.9	88

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37	Optical Determination of the Lattice Constants of Colloidal Crystals without Use of the Refractive Index. Langmuir, 2003, 19, 1984-1986.	1.6	34
38	Kossel Line Analysis of Flow-Aligned Textures of Colloidal Crystals. Japanese Journal of Applied Physics, 2003, 42, L655-L657.	0.8	32
39	Density of Etch Pits on C-Face 4H-SiC Surface Produced by ClF <sub>3</sub> Gas. Materials Science Forum, 0, 725, 49-52.	0.3	7
40	Elastomer-immobilized tunable colloidal photonic crystal films with high optical qualities and high maximum strain. Materials Advances, 0, , .	2.6	5
41	Tuning and fixing of uniform Bragg reflection color of gel-immobilized colloidal photonic crystal films. Polymer Journal, 0, , .	1.3	5