

Fujio Tsumori

List of Publications by Year in descending order

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all docs

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47
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-Mimic Motion of 3D-Printed Gel Structures Dispersed with Magnetic Particles. Journal of the Electrochemical Society, 2019, 166, B3235-B3239.	2.9	60
2	Metachronal wave of artificial cilia array actuated by applied magnetic field. Japanese Journal of Applied Physics, 2016, 55, 06GP19.	1.5	36
3	Improvement of solid oxide fuel cell by imprinted micropatterns on electrolyte. Micro and Nano Letters, 2013, 8, 571-574.	1.3	35
4	Development of actuation system for artificial cilia with magnetic elastomer. Japanese Journal of Applied Physics, 2015, 54, 06FP12.	1.5	31
5	3D Printing System of Magnetic Anisotropy for Artificial Cilia. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2018, 31, 139-144.	0.3	31
6	Development of magnetic-field-driven artificial cilium array with magnetic orientation in each cilium. Japanese Journal of Applied Physics, 2017, 56, 06GN15.	1.5	30
7	Fabrication of Micro Patterned Ceramic Structure by Imprinting Process. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2011, 58, 673-678.	0.2	28
8	Development of Micro Actuator using Magnetic Powder and Elastic Material (First) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (Report Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2009, 56, 127-132.	0.2	21
9	Development of Micro Actuator using Magnetic Powder and Elastic Material (Second) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4 Japan Society of Powder and Powder Metallurgy, 2009, 56, 133-136.	0.2	20
10	Miniaturization of worm-type soft robot actuated by magnetic field. Japanese Journal of Applied Physics, 2020, 59, S11L04.	1.5	19
11	Development of three-dimensional printing system for magnetic elastomer with control of magnetic anisotropy in the structure. Japanese Journal of Applied Physics, 2016, 55, 06GP18.	1.5	17
12	Bio-mimic Motion of Elastic Material Dispersed with Hard-magnetic Particles. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 309-313.	0.3	16
13	Development of Corrugated Ceramic Sheet for SOFC Electrolyte by Micro Imprint Process. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 519-523.	0.2	13
14	Wavy Micro Channels in Micropatterned Ceramic Sheet Formed by Combined Process of Laser Beam Machining and Imprinting. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 511-518.	0.2	12
15	Magneto-FEM analysis for micro actuator using array of magnetic elements. , 2013, , .		11
16	Magnetic Micro Actuator Using Interactive Force between Magnetic Elements. Japanese Journal of Applied Physics, 2012, 51, 06FL14.	1.5	11
17	Magnetic Actuator Using Double Network Gel. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2020, 33, 193-197.	0.3	10
18	Soft actuator with large volumetric change using vaporâ€“liquid phase transition. Japanese Journal of Applied Physics, 2020, 59, S11L08.	1.5	9

#	ARTICLE	IF	CITATIONS
19	Active control of surface profile by magnetic micropillar arrays. Japanese Journal of Applied Physics, 2021, 60, SCCL02.	1.5	9
20	Visco-elastic Control of Elastomer with Magnetic Particles by Applied Magnetic Field. IEEJ Transactions on Sensors and Micromachines, 2018, 138, 48-53.	0.1	9
21	Effect of Minor Boron Addition on the Fatigue Strength and High Temperature Properties of Injection Molded Ti-6Al-4V Compacts. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 451-456.	0.2	8
22	Improvement of Solid Oxide Fuel Cell by imprinted patterns on electrolyte. , 2013, , .		7
23	Static and Dynamic Fracture Characteristics of the MIM Ti-6Al-4V Alloy Compacts Using Fine Powder. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 445-450.	0.2	7
24	High Temperature Mechanical Properties of TiAl Intermetallic Alloy Parts Fabricated by Metal Injection Molding. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 457-461.	0.2	7
25	Control the Distortion of the Large and Complex Shaped Parts by the Metal Injection Molding Process. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 473-478.	0.2	7
26	4D-Printing System for Elastic Magnetic Actuators. , 2019, , .		7
27	Imprint Process with In-plane Compression Method for Bio-functional Surface. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 315-319.	0.3	6
28	(Invited) Bio-mimic Motion of Gel Material Dispersed with Magnetic Particles. ECS Transactions, 2018, 88, 89-97.	0.5	5
29	Development of Micro Pump Using Magnetic Artificial Cilia with Metachronal Wave. , 2020, , .		5
30	Effect of Cr Content on the Magnetic Properties of Fe-Cr Soft Magnetic Material by MIM Process. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2015, 62, 431-436.	0.2	4
31	Anisotropic Mechanical Properties of Ni-base Superalloy Compacts by Direct Laser Forming Technology. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 427-433.	0.2	4
32	Dimension Change during Multi-step Imprint Process and In-plain Compression. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2020, 33, 199-204.	0.3	4
33	Soft Actuator with DN-gel Dispersed with Magnetic Particles. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2021, 34, 375-379.	0.3	4
34	Deformation Control of Large Sized MIM Parts by Changing the Powder Size Distribution. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2015, 62, 108-113.	0.2	2
35	Improvement of Mechanical Properties of Injection Molded Ni-base Superalloy Compacts. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 462-467.	0.2	2
36	Parameter Optimization via CMA-ES for Implementation in the Active Control of Magnetic Pillar Arrays. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
37	Magnetic driven tentacles for bio-mimic motion. Japanese Journal of Applied Physics, 2022, 61, SD1014.	1.5	1
38	MNM-4B-4 Micro-actuator using magnetic particles and development of simulation method. The Proceedings of the Symposium on Micro-Nano Science and Technology, 2010, 2010.2, 189-190.	0.0	0
39	Influence of scale on material deformation of imprinted multi-layered alumina material.. The Proceedings of Conference of Kyushu Branch, 2018, 2018.71, G13.	0.0	0
40	Soft Actuator with Large Volumetric Change using Vapor-liquid Phase Transition. The Proceedings of the Symposium on Micro-Nano Science and Technology, 2018, 2018.9, 31am3PN95.	0.0	0
41	Development of Magnetic Drive Actuator Fabricated by 3D Printing System for Magnetically Anisotropy. The Proceedings of Conference of Kyushu Branch, 2018, 2018.71, G24.	0.0	0
42	Analytical Study of Size Effects on Sintering Deformation of Ceramic Plates. The Proceedings of Conference of Kyushu Branch, 2018, 2018.71, G12.	0.0	0
43	Effects of differential speed rolling on orientation behavior of ceramic plate-like particles.. The Proceedings of Conference of Kyushu Branch, 2018, 2018.71, G11.	0.0	0
44	Development of imprint process with in-plane compression. The Proceedings of the Symposium on Micro-Nano Science and Technology, 2018, 2018.9, 30pm4PN24.	0.0	0
45	Development of micro pump using magnetic artificial cilia. The Proceedings of the Symposium on Micro-Nano Science and Technology, 2019, 2019.10, 21pm1PN308.	0.0	0
46	Direct Observation of Gastropod's Locomotion for Soft Robot Application. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2021, 34, 369-373.	0.3	0
47	Biomimetic Engineering of Soft Motion of Live Creatures. Hikaku Seiri Seikagaku(Comparative) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10	0.0	0