

Mizue Mizoshiri

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Cobalt Precipitation from Glyoxylic Acid Cobalt Complex by Irradiating Femtosecond Laser Pulses. IEEJ Transactions on Electronics, Information and Systems, 2022, 142, 466-469.	0.2	0
2	Direct Writing of Cu Patterns on Polydimethylsiloxane Substrates Using Femtosecond Laser Pulse-Induced Reduction of Glyoxylic Acid Copper Complex. Micromachines, 2021, 12, 493.	2.9	7
3	Copper and Nickel Microsensors Produced by Selective Laser Reductive Sintering for Non-Enzymatic Glucose Detection. Materials, 2021, 14, 2493.	2.9	14
4	Cu Patterning Using Femtosecond Laser Reductive Sintering of CuO Nanoparticles under Inert Gas Injection. Materials, 2021, 14, 3285.	2.9	18
5	Femtosecond laser direct writing of Cu-Ni alloy patterns in ambient atmosphere using glyoxylic acid Cu/Ni mixed complexes. Optics and Laser Technology, 2021, 144, 107418.	4.6	7
6	Effect of Substrates on Femtosecond Laser Pulse-Induced Reductive Sintering of Cobalt Oxide Nanoparticles. Nanomaterials, 2021, 11, 3356.	4.1	9
7	Development of a fast atom beam gun for surface-activated bonding. Precision Engineering, 2020, 62, 106-112.	3.4	2
8	Direct writing of Cu-based micropatterns inside Cu ₂ O nanosphere films using green femtosecond laser reductive sintering. Optical Materials Express, 2020, 10, 2533.	3.0	7
9	Fabrication of Cu-based microstructures by reduction of Cu ₂ O nanoparticles using green femtosecond laser pulses. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2020, 2020.57, S032.	0.0	0
10	Design and fabrication of micro-Fresnel lenses for thermoelectric conversion of near-infrared solar light. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2020, 2020.57, S034.	0.0	0
11	Direct Writing of Copper Micropatterns Using Near-Infrared Femtosecond Laser-Pulse-Induced Reduction of Glyoxylic Acid Copper Complex. Micromachines, 2019, 10, 401.	2.9	14
12	Direct writing of Cu-based fine micropatterns using femtosecond laser pulse-induced sintering of Cu ₂ O nanospheres. Japanese Journal of Applied Physics, 2019, 58, SDDF05.	1.5	10
13	Fabrication of a Novel Nanoporous Film via Chemical Dealloying of a Cu-Cr Alloy for Sensing Moisture in Oil. Journal of Microelectromechanical Systems, 2019, 28, 279-289.	2.5	2
14	Direct writing of two- and three-dimensional Cu-based microstructures by femtosecond laser reductive sintering of the Cu ₂ O nanospheres. Optical Materials Express, 2019, 9, 2828.	3.0	13
15	Preparation of Nonspherical Monodisperse Polydimethylsiloxane Microparticles for Self-assembly Fabrication of Periodic Structures. IEEJ Transactions on Sensors and Micromachines, 2019, 139, 132-136.	0.1	1
16	High-contrast imaging of magnetic domains by magneto-optical Kerr effect using plasmon filters. , 2019, , .		0
17	Direct writing of Cu-based flexible thermal detectors using femtosecond laser-induced reduction. , 2019, , .		0
18	Femtosecond laser direct-writing technique using reduction of glyoxylic acid metal complexes. , 2019, , .		0

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19	Selective fabrication of p-type and n-type thermoelectric micropatterns by the reduction of CuO/NiO mixed nanoparticles using femtosecond laser pulses. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	22
20	Fabrication of a novel nanoporous film by chemical dealloying of CU-CR and its application for a sensor. , 2018, , .		1
21	Fabrication of Plasmon Filters for Highly Sensitive Observation of Magnetic Domains by Magneto-Optical Kerr Effect. , 2018, , .		0
22	Basic research on micro processing characteristics of reverse lift-off process. , 2018, , .		0
23	Fabrication of Novel Nanoporous Films in Moisture-in-Oil Sensors via Chemical Dealloying of Cu-Cr using Combinatorial Search of Cuâ€“Cr Alloy Compositions. MRS Advances, 2018, 3, 225-232.	0.9	2
24	Effect of Heat Accumulation on Femtosecond Laser Reductive Sintering of Mixed CuO/NiO Nanoparticles. Micromachines, 2018, 9, 264.	2.9	22
25	Direct writing of Cu-Ni-based thermoelectric micropatterns using femtosecond laser reduction of CuO and NiO mixed nanoparticles. The Proceedings of Conference of Tokai Branch, 2018, 2018.67, 701.	0.0	0
26	Direct-Writing Technique Using Femtosecond Laser Reductive Sintering of CuO Nanoparticles. The Review of Laser Engineering, 2018, 46, 257.	0.0	0
27	Direct writing of three-dimensional Cu-based sensors using femtosecond laser reduction of CuO nanoparticles. , 2018, , .		1
28	Femtosecond laser direct writing of Cu-based fine patterns using Cu2O nanospheres. , 2018, , .		0
29	Direct-writing of copper-based micropatterns on polymer substrates using femtosecond laser reduction of copper (II) oxide nanoparticles. , 2017, , .		1
30	Three-dimensional Cu microfabrication using femtosecond laser-induced reduction of CuO nanoparticles. Applied Physics Express, 2017, 10, 017201.	2.4	9
31	Fabrication of thin-film thermoelectric generators with ball lenses for conversion of near-infrared solar light. Japanese Journal of Applied Physics, 2017, 56, 06GN06.	1.5	20
32	Ni-based composite microstructures fabricated by femtosecond laser reductive sintering of NiO/Cr mixed nanoparticles. Japanese Journal of Applied Physics, 2017, 56, 06GN08.	1.5	13
33	Fabrication of a Cr Nanoporous Thin Film via Sputter Deposition and Investigation of Its Applicability as a Water-oil Separation Electrode in a MEMS Moisture Sensor. IEEJ Transactions on Sensors and Micromachines, 2017, 137, 15-22.	0.1	3
34	Polymer-based blood vessel models with micro-temperature sensors in EVE. , 2017, , .		0
35	Direct fabrication of Cu/Cu2O composite micro-temperature sensor using femtosecond laser reduction patterning. Japanese Journal of Applied Physics, 2016, 55, 06GP05.	1.5	31
36	Direct writing of Cu-based micro-temperature detectors using femtosecond laser reduction of CuO nanoparticles. Applied Physics Express, 2016, 9, 036701.	2.4	52

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37	Fabrication of CuO-based antireflection structures using self-arranged submicron SiO ₂ spheres for thermoelectric solar generation. Japanese Journal of Applied Physics, 2016, 55, 06GP07.	1.5	1
38	Effect of Different Solvents on Cu Micropatterns Formed via Femtosecond Laser Reduction Patterning. International Journal of Automation Technology, 2016, 10, 934-940.	1.0	2
39	Characteristics for administrating liquid medicine in passive drug delivery system. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J2230101.	0.0	0
40	Combinatorial searching system for electrolysis catalytic materials. , 2015, , .		0
41	Thin-film thermoelectric generator with ball lens for using near-infrared solar energy. , 2015, , .		0
42	Direct patterning of Cu microstructures using femtosecond laser-induced CuO nanoparticle reduction. Japanese Journal of Applied Physics, 2015, 54, 06FP07.	1.5	16
43	J2220102 Fabrication of device for high throughput evaluation of magnetostriction and relative permeability. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _J2220102-_J2220102-.	0.0	0
44	MoB-2-2 REDUCTION PROPERTIES OF NICKEL MICROSTRUCTURES FABRICATED BY DIRECT FEMTOSECOND LASER REDUCTION PATTERNING. Proceedings of JSME-IIP/ASME-ISPS Joint Conference on Micromechatronics for Information and Precision Equipment IIP/ISPS Joint MIPE, 2015, 2015, _MoB-2-2-1-_MoB-2-2-3.	0.0	0
45	J2220101 Characteristics of Ti-Ni-Cu Thin Film Metallic Glasses/Thin Film Shape Memory Alloys Before and After Crystallization. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _J2220101-_J2220101-.	0.0	0
46	MoB-2-1 CHARACTERISTICS OF TI-NI-ZR THIN FILM METALLIC GLASSES FOR MEMS WITH THREE DIMENSIONAL STRUCTURE. Proceedings of JSME-IIP/ASME-ISPS Joint Conference on Micromechatronics for Information and Precision Equipment IIP/ISPS Joint MIPE, 2015, 2015, _MoB-2-1-1-_MoB-2-1-3.	0.0	0
47	Reverse Lift-Off Process and Application for Cu-Zr-Ti Metallic Glass Thick Film Structures. International Journal of Automation Technology, 2015, 9, 646-654.	1.0	2
48	Fabrication Process of Antimony Telluride and Bismuth Telluride Micro Thermoelectric Generator. International Journal of Automation Technology, 2015, 9, 612-618.	1.0	0
49	Design of CuO anti-reflection structure for thin-film thermoelectric generator. , 2014, , .		0
50	Lift-off patterning of thermoelectric thick films deposited by a thermally assisted sputtering method. Applied Physics Express, 2014, 7, 057101.	2.4	8
51	Evaluation of the Thermoelectric Module Consisting of W-Doped Heusler Fe ₂ VAl Alloy. Journal of Electronic Materials, 2014, 43, 1922-1926.	2.2	19
52	p-Type Sb ₂ Te ₃ and n-Type Bi ₂ Te ₃ Films for Thermoelectric Modules Deposited by Thermally Assisted Sputtering Method. Japanese Journal of Applied Physics, 2013, 52, 06GL07.	1.5	22
53	Thermoelectric thick film patterns formed by using thermally-assisted sputtering method and silicone lift-off masks. , 2013, , .		0
54	The effect of Cr buffer layer thickness on voltage generation of thin-film thermoelectric modules. Journal of Micromechanics and Microengineering, 2013, 23, 115016.	2.6	11

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55	Thermal-Photovoltaic Hybrid Solar Generator Using Thin-Film Thermoelectric Modules. Japanese Journal of Applied Physics, 2012, 51, 06FL07.	1.5	24
56	Thin-Film Thermoelectric Modules for Power Generation Using Focused Solar Light. Journal of Electronic Materials, 2012, 41, 1713-1719.	2.2	31
57	Thermal-Photovoltaic Hybrid Solar Generator Using Thin-Film Thermoelectric Modules. Japanese Journal of Applied Physics, 2012, 51, 06FL07.	1.5	33
58	Large refractive index changes of a chemically amplified photoresist in femtosecond laser nonlinear lithography. Optics Express, 2011, 19, 7673.	3.4	3
59	Three-dimensional SiO ₂ surface structures fabricated using femtosecond laser lithography. Applied Physics A: Materials Science and Processing, 2010, 98, 171-177.	2.3	12
60	Nonlinear lithographic properties by femtosecond laser pulses using a low-NA lens. , 2010, , .		0
61	Microlens arrays of high-refractive-index glass fabricated by femtosecond laser lithography. Applied Surface Science, 2009, 255, 9750-9753.	6.1	32
62	These five years. Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2009, 78, 571-573.	0.1	1
63	Nonplanar surface structures of inorganic materials fabricated by femtosecond laser lithography. Proceedings of SPIE, 2008, , .	0.8	3
64	SiO ₂ -based nonplanar structures fabricated using femtosecond laser lithography. Optics Express, 2008, 16, 17288.	3.4	23
65	Silica-based diffractive/refractive hybrid microlenses fabricated by multiphoton lithography. , 2008, , .		0
66	SiO ₂ -based variable microfluidic lenses fabricated by femtosecond laser lithography-assisted micromachining. , 2008, , .		1
67	Field emission current and vacuum breakdown by a pointed cathode. Thin Solid Films, 2007, 515, 4247-4250.	1.8	28
68	SiO ₂ -Based Hybrid Diffractive-Refractive Lenses Fabricated by Femtosecond Laser-Assisted Micromachining. Applied Physics Express, 0, 1, 127001.	2.4	17
69	Bonding of single-layered Cu ₂ O nanospheres on Cu substrates in irradiating near-infrared femtosecond laser pulses. Japanese Journal of Applied Physics, 0, , .	1.5	1