

Masato Sone

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208
papers

2,759
citations

26
h-index

44
g-index

222
ext. papers

3,122
ext. citations

3.2
avg, IF

5.17
L-index

#	Paper	IF	Citations
208	Mechanistic Insights into Photodegradation of Organic Dyes Using Heterostructure Photocatalysts. <i>Catalysts</i> , 2019 , 9, 430	4	281
207	Origin of Helix in Achiral Banana-Shaped Molecular Systems. <i>Japanese Journal of Applied Physics</i> , 1997 , 36, 6455-6463	1.4	251
206	Evaluation of the block boundary and sub-block boundary strengths of ferrous lath martensite using a micro-bending test. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 7538-7544	5.3	119
205	Rigid-rod polyesters with flexible side chains. 4. Thermotropic behavior and phase structures in polyesters based on 1,4-dialkyl esters of pyromellitic acid and 4,4'-biphenol. <i>Macromolecules</i> , 1994 , 27, 507-512	5.5	72
204	Application of emulsion of dense carbon dioxide in electroplating solution with nonionic surfactants for nickel electroplating. <i>Surface and Coatings Technology</i> , 2003 , 173, 285-292	4.4	66
203	Solid-State ¹³ C NMR Study of Chiral Twisted Conformation Attributable to Chirality in Smectic Phases of Achiral Banana-Shaped Molecules. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 4674-4678	2.8	63
202	Fully Depleted Ti-Nb-Ta-Zr-O Nanotubes: Interfacial Charge Dynamics and Solar Hydrogen Production. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22997-23008	9.5	59
201	Electroplating of Nanostructured Nickel in Emulsion of Supercritical Carbon Dioxide in Electrolyte Solution. <i>Chemistry Letters</i> , 2002 , 31, 1086-1087	1.7	59
200	Bright nickel film deposited by supercritical carbon dioxide emulsion using additive-free Watts bath. <i>Electrochimica Acta</i> , 2010 , 55, 6469-6475	6.7	58
199	New electroplating method of nickel in emulsion of supercritical carbon dioxide and electroplating solution to enhance uniformity and hardness of plated film. <i>Thin Solid Films</i> , 2004 , 446, 194-199	2.2	58
198	Rigid-Rod Polyesters with Flexible Side Chains. 6. Appearance of Hexagonal Columnar Phase as a Consequence of Microsegregation of Aromatic Main Chains and Aliphatic Side Chains. <i>Macromolecules</i> , 1996 , 29, 4816-4818	5.5	49
197	Nematic Liquid Crystals with Polar Ordering Formed from Simple Aromatic Polyester. <i>Japanese Journal of Applied Physics</i> , 1996 , 35, L505-L507	1.4	43
196	Cycloaddition of Oxirane Group with Carbon Dioxide in the Supercritical Homogeneous State. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 5353-5358	3.9	38
195	Supercritical CO ₂ -Assisted Electrochemical Deposition of ZnO Mesocrystals for Practical Photoelectrochemical Applications. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 25596-25603	3.8	36
194	Incorporating graphene quantum dots to enhance the photoactivity of CdSe-sensitized TiO ₂ nanorods for solar hydrogen production. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13971-13979	13	35
193	Function and mechanism of supercritical carbon dioxide emulsified electrolyte in nickel electroplating reaction. <i>Surface and Coatings Technology</i> , 2011 , 205, 3890-3899	4.4	35
192	The effects of dense carbon dioxide on nickel plating using emulsion of carbon dioxide in electroplating solution. <i>Surface and Coatings Technology</i> , 2004 , 182, 329-334	4.4	33

191	Rigid-Rod Polyesters with Flexible Side Chains Based on 1,4-Dialkyl Esters of Pyromellitic Acid and 4,4'-Biphenol. 5. High-Resolution ¹³ C NMR Studies for Crystalline and Liquid Crystalline Layered Phases. <i>Macromolecules</i> , 1994 , 27, 2769-2777	5.5	33
190	Mechanical properties of nickel fabricated by electroplating with supercritical CO ₂ emulsion evaluated by micro-compression test using non-tapered micro-sized pillar. <i>Microelectronic Engineering</i> , 2013 , 110, 270-273	2.5	31
189	Near infrared-driven photoelectrochemical water splitting: Review and future prospects. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 8372-8387	5.9	29
188	Effects of pressure on electroplating of copper using supercritical carbon dioxide emulsified electrolyte. <i>Thin Solid Films</i> , 2013 , 529, 25-28	2.2	29
187	Red-Light-Emitting Organic Electroluminescent Devices with Bisanil Dye as Emitter. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 3201-3205	1.4	29
186	Liquid Crystalline Features in a Polyolefin of Poly(methylene-1,3-cyclopentane). <i>Macromolecules</i> , 2008 , 41, 7448-7452	5.5	28
185	Fluorescence Study on Intermolecular Interactions between Mesogenic Biphenyl Moieties of a Thermotropic Liquid-Crystalline Polyester (PB-10). <i>Macromolecules</i> , 1996 , 29, 3485-3490	5.5	28
184	Study on liquid crystallinity in 2,9-dialkylpentacenes. <i>Liquid Crystals</i> , 2007 , 34, 1001-1007	2.3	27
183	Pulse electroplating of ultra-fine grained Au films with high compressive strength. <i>Electrochemistry Communications</i> , 2016 , 67, 51-54	5.1	27
182	Electroplating in CO ₂ -in-water and water-in-CO ₂ emulsions using a nickel electroplating solution with anionic fluorinated surfactant. <i>Surface and Coatings Technology</i> , 2004 , 187, 86-92	4.4	26
181	Nano-grain structure of nickel films prepared by emulsion plating using dense carbon dioxide. <i>Surface and Coatings Technology</i> , 2005 , 190, 200-205	4.4	25
180	Sample size effect of electrodeposited nickel with sub-10 nm grain size. <i>Materials Letters</i> , 2014 , 117, 256-259	3.3	23
179	Micro-compression test using non-tapered micro-pillar of electrodeposited Cu. <i>Microelectronic Engineering</i> , 2013 , 111, 118-121	2.5	23
178	Electrochemical polymerization of pyrrole in supercritical carbon dioxide-in-water emulsion. <i>Polymer</i> , 2006 , 47, 1547-1554	3.9	22
177	Rigid-Rod Polyesters with Flexible Side Chains IX. Phase Behavior Including Nematic, Layered, and Hexagonal Columnar Phases in Poly(p-biphenylene terephthalate) with Alkoxy Side Chains. <i>Polymer Journal</i> , 2002 , 34, 291-297	2.7	22
176	Rigid-Rod Polyesters with Flexible Side Chains Based on 1,4-Dialkylesters of Pyromellitic Acid III. Charge Transfer Complex Formation in Layered Mesophase of B-C16 Analyzed with Fluorescence Spectroscopy. <i>Polymer Journal</i> , 1993 , 25, 997-1001	2.7	22
175	Influence of sensitizer on organic electroluminescence. <i>Journal of Applied Physics</i> , 2001 , 89, 7895-7898	2.5	21
174	Crystalline Structure of Polyethylene Containing 1,2- or 1,3-Disubstituted Cyclopentane Units in the Main Chain. <i>Macromolecules</i> , 2002 , 35, 9999-10003	5.5	21

173	Microstructural development of an electrodeposited Ni layer. <i>Thin Solid Films</i> , 2010 , 518, 5153-5158	2.2	20
172	Large increase in fracture resistance of stishovite with crack extension less than one micrometer. <i>Scientific Reports</i> , 2015 , 5, 10993	4.9	19
171	Tensile behavior of micro-sized specimen made of single crystalline nickel. <i>Materials Letters</i> , 2015 , 153, 36-39	3.3	19
170	Roles of TiO in the highly robust Au nanoparticles-TiO modified polyaniline electrode towards non-enzymatic sensing of glucose. <i>Talanta</i> , 2020 , 212, 120780	6.2	19
169	Rigid-Rod Polyesters with Flexible Side Chains Based on 1,4-Dialkylesters of Pyromellitic Acid II. Mesogenic Properties of H-Cn Polyesters Prepared from 1,4-Dialkylesters of Pyromellitic Acid and Hydroquinone. <i>Polymer Journal</i> , 1992 , 24, 1119-1127	2.7	18
168	Application of supercritical carbon dioxide in catalyzation and Ni-P electroless plating of nylon 6,6 textile. <i>Surface and Coatings Technology</i> , 2016 , 302, 336-343	4.4	17
167	Pd/Ni metallic glass film fabricated by electroless alloy plating. <i>Thin Solid Films</i> , 2009 , 517, 1935-1938	2.2	17
166	Liquid Crystalline Features of Optically Active Poly(methylene-1,3-cyclopentane). <i>Macromolecules</i> , 2009 , 42, 7631-7633	5.5	17
165	Metallization on polymer by catalyzation in supercritical CO ₂ and electroless plating in dense CO ₂ emulsion. <i>Surface and Coatings Technology</i> , 2008 , 202, 3921-3926	4.4	17
164	Uniform Ni/P Film Using an Electroless Plating Method with an Emulsion of Supercritical Carbon Dioxide. <i>Journal of the Electrochemical Society</i> , 2007 , 154, E91	3.9	17
163	Aromatic Polyesters with Flexible Side Chains. 8. Studies on Long Periodical Structure Observed in Layered Crystalline Phase. <i>Macromolecules</i> , 2000 , 33, 8367-8370	5.5	17
162	Ni/P and TiO ₂ codeposition on silk textile via supercritical CO ₂ promoted electroless plating for flexible and wearable photocatalytic devices. <i>Electrochimica Acta</i> , 2019 , 294, 68-75	6.7	16
161	Filling of nanoscale holes with high aspect ratio by Cu electroplating using suspension of supercritical carbon dioxide in electrolyte with Cu particles. <i>Microelectronic Engineering</i> , 2012 , 97, 126-129	2.5	15
160	Functionally graded Pd/Alumina composite membrane fabricated by electroless plating with emulsion of supercritical CO ₂ . <i>Journal of Membrane Science</i> , 2009 , 342, 321-326	9.6	15
159	Fabrication of a novel Pd/Alumina graded membrane by electroless plating on nanoporous Alumina. <i>Journal of Membrane Science</i> , 2008 , 324, 181-187	9.6	15
158	Reduced graphene oxides-wrapped ZnO with notable photocatalytic property. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 112, 337-344	5.3	14
157	Crystal growth on novel Cu electroplating using suspension of supercritical CO ₂ in electrolyte with Cu particles. <i>Surface and Coatings Technology</i> , 2013 , 231, 77-80	4.4	14
156	Effects of Sc-CO ₂ catalyzation in metallization on polymer by electroless plating. <i>Surface and Coatings Technology</i> , 2009 , 203, 1971-1978	4.4	14

155	Electrocatalytic activity enhancement of Au NPs-TiO ₂ electrode via a facile redistribution process towards the non-enzymatic glucose sensors. <i>Sensors and Actuators B: Chemical</i> , 2020 , 319, 128279	8.5	14
154	Mechanical behavior of a micro-sized pillar fabricated from ultrafine-grained ferrite evaluated by a microcompression test. <i>Acta Materialia</i> , 2014 , 73, 12-18	8.4	13
153	Cu electroplating using suspension of supercritical carbon dioxide in copper-sulfate-based electrolyte with Cu particles. <i>Thin Solid Films</i> , 2013 , 529, 29-33	2.2	13
152	Void-free micro-pattern of nickel fabricated by electroplating with supercritical carbon dioxide emulsion. <i>Microelectronic Engineering</i> , 2011 , 88, 2225-2228	2.5	13
151	Rigid-Rod Polyesters with Flexible Side Chains Based on 1,4-Dialkyl Esters of Pyromellitic Acid and 4,4'-Biphenol. 7. Fluorescence Studies on Crystalline and Liquid Crystalline Layered Phases over a Wide Range of Temperatures. <i>Macromolecules</i> , 1998 , 31, 8865-8870	5.5	13
150	Tensile behavior of micro-sized specimen fabricated from nanocrystalline nickel film. <i>Microelectronic Engineering</i> , 2015 , 141, 17-20	2.5	12
149	Crystallographic study on self-annealing of electroplated copper at room temperature. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 633-639	4.3	12
148	Micro-bending testing of electrodeposited gold for applications as movable components in MEMS devices. <i>Microelectronic Engineering</i> , 2017 , 180, 15-19	2.5	11
147	Effects of current density on mechanical properties of electroplated nickel with high speed sulfamate bath. <i>Microelectronic Engineering</i> , 2019 , 213, 18-23	2.5	11
146	Crystal Growth of Cobalt Film Fabricated by Electrodeposition with Dense Carbon Dioxide. <i>Journal of the Electrochemical Society</i> , 2015 , 162, D423-D426	3.9	11
145	Design and Development of Amperometric Gas Sensor With Atomic Au/Polyaniline/Pt Composite. <i>IEEE Sensors Journal</i> , 2020 , 20, 12479-12487	4	11
144	Micromechanical characterization of deformation behavior in ferrous lath martensite. <i>Journal of Alloys and Compounds</i> , 2013 , 577, S555-S558	5.7	11
143	Side-chain conformation of poly(L-proline) form II in the crystalline state as studied by high-resolution solid-state ¹³ C NMR spectroscopy. <i>Journal of Molecular Structure</i> , 1994 , 317, 111-118	3.4	11
142	Structure stability of high aspect ratio Ti/Au two-layer cantilevers for applications in MEMS accelerometers. <i>Microelectronic Engineering</i> , 2016 , 159, 90-93	2.5	10
141	Cu wiring into nano-scale holes by electrodeposition in supercritical carbon dioxide emulsified electrolyte with a continuous-flow reaction system. <i>Journal of Supercritical Fluids</i> , 2014 , 90, 60-64	4.2	10
140	Blue and yellow emission from derivatives of tris(8-hydroxyquinoline)aluminium light-emitting diodes. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 2679-2682	3	10
139	Tensile tests of micro-specimens composed of electroplated gold. <i>Microelectronic Engineering</i> , 2017 , 174, 6-10	2.5	9
138	Fundamental Property Assessments of Biocompatible Silk/Pt Composite Prepared by Supercritical Carbon Dioxide Promoted Electroless Plating. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 8864-8871	3.9	9

137	Promoted bending strength in micro-cantilevers composed of nanograined gold toward MEMS applications. <i>Microelectronic Engineering</i> , 2018 , 196, 20-24	2.5	9
136	Evaluation of anisotropic structure in electrodeposited Ni film using micro-sized cantilever. <i>Microelectronic Engineering</i> , 2012 , 100, 25-27	2.5	9
135	Direct observation of sintering mechanics of a single grain boundary. <i>Acta Materialia</i> , 2012 , 60, 507-516	8.4	9
134	Light-induced formation of curved needle texture by circularly polarized light irradiation on a discotic liquid crystal containing a racemic chromium complex. <i>Liquid Crystals</i> , 2006 , 33, 671-679	2.3	9
133	Enhancement of mechanical strength in Au films electroplated with supercritical carbon dioxide. <i>Electrochemistry Communications</i> , 2016 , 72, 126-130	5.1	9
132	High-Strength Electroplated Au-Cu Alloys as Micro-Components in MEMS Devices. <i>Journal of the Electrochemical Society</i> , 2017 , 164, D244-D247	3.9	8
131	Effects of CO ₂ on Ni Electroless Plating in an Emulsion of Supercritical CO ₂ . <i>Journal of the Electrochemical Society</i> , 2010 , 157, D550	3.9	8
130	Metallization on polymer via quantitatively controlled catalyzation in ScCO ₂ and electroless plating with ScCO ₂ emulsion for micro and nano-device. <i>Microelectronic Engineering</i> , 2009 , 86, 1179-1182	2.5	8
129	Characterization of deformation-induced structural change of Pd ₇₈ Cu ₆ Si ₁₆ metallic glass using a micro-sized cantilever-beam specimen. <i>Scripta Materialia</i> , 2010 , 62, 309-312	5.6	8
128	Impregnation of Ni metal into polymer substrate via catalyzation in Sc-CO ₂ and electroless plating in Sc-CO ₂ emulsion. <i>Surface and Coatings Technology</i> , 2010 , 204, 1785-1792	4.4	8
127	Effects of ammonium salt doping on electroluminescence properties of 4,4-bis(9-dicarbazolyl)-biphenyl. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 3492-3495	3	8
126	Sample size effect on micro-mechanical properties of gold electroplated with dense carbon dioxide. <i>Surface and Coatings Technology</i> , 2018 , 350, 1065-1070	4.4	8
125	Evaluations of Mechanical Properties of Electrodeposited Nickel Film by Using Micro-Testing Method. <i>Materials Transactions</i> , 2016 , 57, 1979-1984	1.3	7
124	Au-Cu Alloys Prepared by Pulse Electrodeposition toward Applications as Movable Micro-Components in Electronic Devices. <i>Journal of the Electrochemical Society</i> , 2018 , 165, D58-D63	3.9	7
123	High aspect ratio micro-hole filling employing emulsified supercritical CO ₂ electrolytes. <i>Journal of Supercritical Fluids</i> , 2016 , 109, 61-66	4.2	7
122	Defect-Free Nickel Micropillars Fabricated at a High Current Density by Application of a Supercritical Carbon Dioxide Emulsion. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 8080-8085	3.9	7
121	Structure and dynamics of poly(ethylene-co-1,5-hexadiene) as studied by solid state ¹³ C NMR and quantum chemical calculations. <i>Journal of Molecular Structure</i> , 2009 , 921, 208-214	3.4	7
120	Effects of supercritical carbon dioxide treatment on bending properties of micro-sized SU-8 Specimens. <i>Microelectronic Engineering</i> , 2011 , 88, 2272-2274	2.5	7

119	High resolution ¹³ C NMR studies for crystalline and liquid crystalline phases of PB-18 polyester composed of 4,4'-dihydroxybiphenyl and octadecanedioic acid. <i>Journal of Molecular Structure</i> , 1998 , 446, 215-221	3.4	7
118	Novel porous film by electroplating with an emulsion of supercritical CO ₂ . <i>Surface and Coatings Technology</i> , 2007 , 201, 7513-7518	4.4	7
117	Wear properties of nickel coating film plated from emulsion with dense carbon dioxide. <i>Surface and Coatings Technology</i> , 2006 , 201, 606-611	4.4	7
116	Ring puckering of the pyrrolidine ring of poly (l-proline) form I as studied by variable-temperature high-resolution ¹³ C NMR spectroscopy. <i>Journal of Molecular Structure</i> , 1993 , 301, 227-230	3.4	7
115	Nanoscale Hierarchical Structure of Twins in Nanograins Embedded with Twins and the Strengthening Effect. <i>Metals</i> , 2019 , 9, 987	2.3	6
114	Platinum coating on silk by a supercritical CO ₂ promoted metallization technique for applications of wearable devices. <i>Surface and Coatings Technology</i> , 2018 , 350, 1028-1035	4.4	6
113	Metallization of polyimide films with enlarged area by conducting the catalyzation in supercritical carbon dioxide. <i>Microelectronic Engineering</i> , 2016 , 153, 1-4	2.5	6
112	Metallization of textile by Pt catalyzation in supercritical carbon dioxide and Pt electroless plating for applications in wearable devise. <i>Microelectronic Engineering</i> , 2016 , 153, 92-95	2.5	6
111	Solid-state ¹³ C NMR study of banana liquid crystals I: Two different alkyl tail-group packing environments in the B7 phase. <i>Journal of Molecular Structure</i> , 2012 , 1008, 49-53	3.4	6
110	Fabrication and Photocatalytic Performance of Au/ZnO Layered Structure on Silk Textile for Flexible Device Applications. <i>Electrochimica Acta</i> , 2017 , 253, 39-46	6.7	6
109	A Supercritical CO ₂ Promoted Electroless Ni-P Plating on Silk and Their Fundamental Characteristics Investigations. <i>Journal of the Electrochemical Society</i> , 2017 , 164, D406-D411	3.9	6
108	Strength and toughness of nanocrystalline SiO ₂ stishovite toughened by fracture-induced amorphization. <i>Acta Materialia</i> , 2017 , 124, 316-324	8.4	6
107	PdNiP metallic glass pattern with controllable microstructure fabricated by electroless alloy plating. <i>Microelectronic Engineering</i> , 2011 , 88, 2401-2404	2.5	6
106	Development of New Evaluation Method for Adhesive Strength between Microsized Photoresist and Si Substrate of MEMS Devices. <i>Key Engineering Materials</i> , 2007 , 345-346, 1185-1188	0.4	6
105	Nanograin deposition via an electroplating reaction in an emulsion of dense carbon dioxide in a nickel electroplating solution using nonionic fluorinated surfactant. <i>Surface and Coatings Technology</i> , 2005 , 194, 149-156	4.4	6
104	Fluorescence study of a thermotropic liquid crystal: Bis (p-hexyloxyphenyl) terephthalate. <i>Liquid Crystals</i> , 1996 , 21, 505-510	2.3	6
103	Metallization of PET textile utilizing supercritical CO ₂ catalyzation. <i>Microelectronic Engineering</i> , 2020 , 223, 111233	2.5	5
102	Effects of Pressure in Cathodic Deposition of TiO ₂ and SnO ₂ with Supercritical CO ₂ Emulsified Electrolyte. <i>Electrochimica Acta</i> , 2016 , 208, 244-250	6.7	5

101	Nano-Au Catalysts Modified with TiO ₂ : Enhancement of Electrocatalytic Activity for 1-Propanol Oxidation in Alkaline Media. <i>Journal of the Electrochemical Society</i> , 2019 , 166, F760-F767	3.9	5
100	Fabrication of TiO ₂ micro-structures by cathodic deposition. <i>Microelectronic Engineering</i> , 2014 , 121, 80-82	5	
99	Abnormally large Ni grains epitaxially grown by electrodeposition on Cu substrate. <i>Thin Solid Films</i> , 2013 , 529, 385-388	2.2	5
98	Quantitative study on removal of SU-8 photoresist patterns by supercritical CO ₂ emulsion. <i>Microelectronic Engineering</i> , 2013 , 110, 204-206	2.5	5
97	Aromatic Polyesters with Flexible Side Chains. 10. Studies on Biaxiality in Nematic Liquid Crystal of BC-n Polyester. <i>Polymer Journal</i> , 2006 , 38, 442-446	2.7	5
96	Brittle Fracture of Electrodeposited Gold Observed by Micro-Compression. <i>Materials Transactions</i> , 2016 , 57, 1257-1260	1.3	5
95	The hydrobaric effect on cathodically deposited titanium dioxide photocatalyst. <i>MRS Communications</i> , 2017 , 7, 189-192	2.7	4
94	Deformation behavior of electroplated gold composed of nano-columnar grains embedded in micro-columnar textures. <i>Materials Letters</i> , 2017 , 202, 82-85	3.3	4
93	Silk/Bt composite integration by supercritical carbon dioxide assisted electroless plating for medical devices application. <i>Microelectronic Engineering</i> , 2017 , 175, 34-37	2.5	4
92	Mechanical properties of Sn electrodeposited in supercritical CO ₂ emulsions using micro-compression test. <i>Microelectronic Engineering</i> , 2015 , 141, 219-222	2.5	4
91	(Invited) CMOS-MEMS Based Microgravity Sensor and Its Application. <i>ECS Transactions</i> , 2020 , 97, 91-108	1	4
90	Sample geometry effect on mechanical property of gold micro-cantilevers by micro-bending test. <i>MRS Communications</i> , 2020 , 10, 434-438	2.7	4
89	Mechanical properties of Cu electroplated in supercritical CO ₂ emulsion evaluated by micro-compression test. <i>Microelectronic Engineering</i> , 2014 , 121, 83-86	2.5	4
88	Cathodic deposition of TiO ₂ thin films with supercritical CO ₂ emulsified electrolyte. <i>Electrochemistry Communications</i> , 2013 , 33, 68-71	5.1	4
87	Electrodeposition of Tin Using Supercritical Carbon Dioxide Emulsions. <i>ECS Electrochemistry Letters</i> , 2014 , 3, D44-D45		4
86	Direct Observation of Nodule Growth on Electroless Ni-P Deposition in Supercritical CO ₂ Emulsion. <i>Journal of the Electrochemical Society</i> , 2011 , 159, D114-D118	3.9	4
85	Supercritical carbon dioxide-assisted functionalization of polyethylene terephthalate (PET) toward flexible catalytic electrodes. <i>Journal of Supercritical Fluids</i> , 2022 , 180, 105455	4.2	4
84	Development and Characterization of Vertically Stacked Tactile Sensor With Hollow Structure. <i>IEEE Sensors Journal</i> , 2021 , 21, 5809-5818	4	4

83	Deformation Behavior of Pure Cu and Cu-Ni-Si Alloy Evaluated by Micro-Tensile Testing. <i>Materials Transactions</i> , 2016 , 57, 1897-1901	1.3	3
82	Solid-state ¹³ C NMR study of banana liquid crystals B: Alkyl-tail-group packing environments of an acute-angle bent-core molecule in the hexagonal columnar and cubic phases. <i>Journal of Molecular Structure</i> , 2016 , 1105, 34-40	3.4	3
81	Effects of Fluorinated Surfactant in Cathodic Deposition of TiO ₂ Films with Supercritical CO ₂ Emulsified Electrolyte. <i>ECS Electrochemistry Letters</i> , 2014 , 3, D1-D2		3
80	A study on young's modulus of electroplated gold cantilevers for MEMS devices 2017 ,		3
79	Effects of Aspect Ratio of Photoresist Patterns on Adhesive Strength between Microsized SU-8 Columns and Silicon Substrate under Bend Loading Condition. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 06GN14	1.4	3
78	Study on delamination mechanism of SU-8 micropillars on a Si-substrate under bend loading by Weibull analysis. <i>Microelectronic Engineering</i> , 2011 , 88, 2132-2134	2.5	3
77	Effects of heat curing on adhesive strength between microsized SU-8 and Si substrate 2007 ,		3
76	A MEMS Accelerometer for Sub-mG Sensing. <i>Sensors and Materials</i> , 2019 , 31, 2883	1.5	3
75	Electrodeposition of Ni-Co Alloys and Their Mechanical Properties by Micro-Vickers Hardness Test. <i>Electrochem</i> , 2021 , 2, 1-9	2.9	3
74	Catalytic Activity of Atomic Gold-Decorated Polyaniline Support in Glucose Oxidation. <i>Electrochem</i> , 2020 , 1, 394-399	2.9	3
73	Deformation of Biomedical AuCuAl-Based Shape Memory Alloy Micropillars. <i>MRS Advances</i> , 2017 , 2, 1411-1415	1.7	2
72	Atomic gold decorated polyaniline sensor for gaseous detection 2019 ,		2
71	Strengthening of micro-cantilever by Au/Ti bi-layered structure evaluated by micro-bending test toward MEMS devices. <i>Microelectronic Engineering</i> , 2019 , 213, 13-17	2.5	2
70	Alloy Electroplating and Young's Modulus Characterization of AuCu Alloy Microcantilevers. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 082503	3.9	2
69	Evaluation of the Shape Memory Effect by Micro-Compression Testing of Single Crystalline Ti-27Nb Ni-Free Alloy. <i>Materials</i> , 2019 , 13,	3.5	2
68	Evaluation and modeling of adhesion layer in shock-protection structure for MEMS accelerometer. <i>Microelectronics Reliability</i> , 2016 , 66, 78-84	1.2	2
67	High Strength Electrodeposited Au-Cu Alloys Evaluated by Bending Test toward Movable Micro-Components. <i>ECS Journal of Solid State Science and Technology</i> , 2019 , 8, P412-P415	2	2
66	Long-term vibration characteristics of MEMS inertial sensors by multi-layer metal technology 2017 ,		2

65	Preparation and characterization of palladium-hydride-coated titanium as a reference electrode for the supercritical carbon dioxide emulsion electrochemical system. <i>Electrochimica Acta</i> , 2015 , 155, 209-216	6.7	2
64	Crystalline structure of polyethylene containing vinylene units in the main chain. <i>Polymer</i> , 2011 , 52, 4857-4866	5.9	2
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62	?????????????????????????????????. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2010 , 61, 561-565		2
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