

# Sung-Hoon Ahn

## List of Publications by Citations

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198  
papers

6,693  
citations

41  
h-index

76  
g-index

211  
ext. papers

8,002  
ext. citations

4.5  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
198	A flexible and highly sensitive strain-gauge sensor using reversible interlocking of nanofibres. <i>Nature Materials</i> , <b>2012</b> , 11, 795-801	27	1227
197	Review of biomimetic underwater robots using smart actuators. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2012</b> , 13, 1281-1292	1.7	227
196	A comparison of energy consumption in bulk forming, subtractive, and additive processes: Review and case study. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2014</b> , 1, 261-279	3.8	201
195	Optimization of hybrid renewable energy power systems: A review. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2015</b> , 2, 99-112	3.8	188
194	Review of manufacturing processes for soft biomimetic robots. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2009</b> , 10, 171-181	1.7	182
193	A novel off-grid hybrid power system comprised of solar photovoltaic, wind, and hydro energy sources. <i>Applied Energy</i> , <b>2014</b> , 133, 236-242	10.7	159
192	Mathematical modeling of hybrid renewable energy system: A review on small hydro-solar-wind power generation. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2014</b> , 1, 157-173	3.8	157
191	A review on IPMC material as actuators and sensors: Fabrications, characteristics and applications. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2012</b> , 13, 141-163	1.7	155
190	Shape Memory Alloy-Based Soft Gripper with Variable Stiffness for Compliant and Effective Grasping. <i>Soft Robotics</i> , <b>2017</b> , 4, 379-389	9.2	137
189	Review: Developments in micro/nanoscale fabrication by focused ion beams. <i>Vacuum</i> , <b>2012</b> , 86, 1014-1035	3.7	125
188	Room-temperature synthesis of nanoporous 1D microrods of graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) with highly enhanced photocatalytic activity and stability. <i>Scientific Reports</i> , <b>2016</b> , 6, 31147	4.9	122
187	Hybrid manufacturing in micro/nano scale: A Review. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2014</b> , 1, 75-92	3.8	119
186	Locomotion of inchworm-inspired robot made of smart soft composite (SSC). <i>Bioinspiration and Biomimetics</i> , <b>2014</b> , 9, 046006	2.6	118
185	Smart Machining Process Using Machine Learning: A Review and Perspective on Machining Industry. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2018</b> , 5, 555-568	3.8	112
184	An Overview of Shape Memory Alloy-Coupled Actuators and Robots. <i>Soft Robotics</i> , <b>2017</b> , 4, 3-15	9.2	111
183	Gold nanoparticle modified graphitic carbon nitride/multi-walled carbon nanotube (g-C <sub>3</sub> N <sub>4</sub> /CNTs/Au) hybrid photocatalysts for effective water splitting and degradation. <i>RSC Advances</i> , <b>2015</b> , 5, 24281-24292	3.7	108
182	Smart soft composite: An integrated 3D soft morphing structure using bend-twist coupling of anisotropic materials. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2012</b> , 13, 631-634	1.7	86

181	A review of electrically-assisted manufacturing. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2015</b> , 2, 365-376	3.8	83
180	Soft Tendril-Inspired Grippers: Shape Morphing of Programmable Polymer-Paper Bilayer Composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 10419-10427	9.5	80
179	A turtle-like swimming robot using a smart soft composite (SSC) structure. <i>Smart Materials and Structures</i> , <b>2013</b> , 22, 014007	3.4	78
178	Empirical power-consumption model for material removal in three-axis milling. <i>Journal of Cleaner Production</i> , <b>2014</b> , 78, 54-62	10.3	72
177	Direct printing of highly sensitive, stretchable, and durable strain sensor based on silver nanoparticles/multi-walled carbon nanotubes composites. <i>Composites Part B: Engineering</i> , <b>2019</b> , 161, 395-401	10	68
176	Curved shape memory alloy-based soft actuators and application to soft gripper. <i>Composite Structures</i> , <b>2017</b> , 176, 398-406	5.3	61
175	Soft morphing hand driven by SMA tendon wire. <i>Composites Part B: Engineering</i> , <b>2016</b> , 105, 138-148	10	60
174	35 Hz shape memory alloy actuator with bending-twisting mode. <i>Scientific Reports</i> , <b>2016</b> , 6, 21118	4.9	60
173	Control of machining parameters for energy and cost savings in micro-scale drilling of PCBs. <i>Journal of Cleaner Production</i> , <b>2013</b> , 54, 41-48	10.3	58
172	Kirigami/Origami-Based Soft Deployable Reflector for Optical Beam Steering. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604214	15.6	57
171	Evaluation of ionic liquids as lubricants in micro milling [p]rocess capability and sustainability. <i>Journal of Cleaner Production</i> , <b>2014</b> , 76, 167-173	10.3	56
170	Geometric optimization of micro drills using Taguchi methods and response surface methodology. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2011</b> , 12, 871-875	1.7	56
169	Soft composite hinge actuator and application to compliant robotic gripper. <i>Composites Part B: Engineering</i> , <b>2016</b> , 98, 397-405	10	53
168	Smart soft composite actuator with shape retention capability using embedded fusible alloy structures. <i>Composites Part B: Engineering</i> , <b>2015</b> , 78, 507-514	10	53
167	Deployable Soft Composite Structures. <i>Scientific Reports</i> , <b>2016</b> , 6, 20869	4.9	51
166	Turtle mimetic soft robot with two swimming gaits. <i>Bioinspiration and Biomimetics</i> , <b>2016</b> , 11, 036010	2.6	51
165	From design for manufacturing (DFM) to manufacturing for design (MFD) via hybrid manufacturing and smart factory: A review and perspective of paradigm shift. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2016</b> , 3, 209-222	3.8	51
164	A review on fabrication processes for electrochromic devices. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2016</b> , 3, 397-421	3.8	49

163	Effect of stand-off distance for cold gas spraying of fine ceramic particles (. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 2125-2132	4.4	49
162	Blooming Knit Flowers: Loop-Linked Soft Morphing Structures for Soft Robotics. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606580	24	46
161	SMA-based smart soft composite structure capable of multiple modes of actuation. <i>Composites Part B: Engineering</i> , <b>2015</b> , 82, 152-158	10	44
160	An evaluation of green manufacturing technologies based on research databases. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2014</b> , 1, 5-9	3.8	44
159	Evaluation of a multi-dimensional hybrid photocatalyst for enrichment of H <sub>2</sub> evolution and elimination of dye/non-dye pollutants. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 2579-2590	5.5	42
158	Shape memory alloy/glass fiber woven composite for soft morphing winglets of unmanned aerial vehicles. <i>Composite Structures</i> , <b>2016</b> , 140, 202-212	5.3	41
157	Design and Fabrication of Soft Morphing Ray Propulsor: Undulator and Oscillator. <i>Soft Robotics</i> , <b>2017</b> , 4, 49-60	9.2	40
156	Cross-shaped twisting structure using SMA-based smart soft composite. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2014</b> , 1, 153-156	3.8	40
155	From 3D to 4D printing [Design, material and fabrication for multi-functional multi-materials. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2017</b> , 4, 291-299	3.8	40
154	Fabrication of wrist-like SMA-based actuator by double smart soft composite casting. <i>Smart Materials and Structures</i> , <b>2015</b> , 24, 125003	3.4	39
153	Soundproofing effect of nano particle reinforced polymer composites. <i>Journal of Mechanical Science and Technology</i> , <b>2008</b> , 22, 1468-1474	1.6	39
152	Woven type smart soft composite for soft morphing car spoiler. <i>Composites Part B: Engineering</i> , <b>2016</b> , 86, 285-298	10	38
151	Cellulose nano whiskers from grass of Korea. <i>Macromolecular Research</i> , <b>2008</b> , 16, 396-398	1.9	38
150	Manufacturing of inchworm robot using shape memory alloy (SMA) embedded composite structure. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2011</b> , 12, 565-568	1.7	36
149	Soft grasping mechanisms composed of shape memory polymer based self-bending units. <i>Composites Part B: Engineering</i> , <b>2019</b> , 164, 198-204	10	34
148	Modular assembly of soft deployable structures and robots. <i>Materials Horizons</i> , <b>2017</b> , 4, 367-376	14.4	32
147	A smart soft actuator using a single shape memory alloy for twisting actuation. <i>Smart Materials and Structures</i> , <b>2015</b> , 24, 125033	3.4	32
146	Shape Memory Alloy (SMA)-Based Microscale Actuators with 60% Deformation Rate and 1.6 kHz Actuation Speed. <i>Small</i> , <b>2018</b> , 14, e1801023	11	31

145	Perspective to green manufacturing and applications. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2013</b> , 14, 873-874	1.7	31
144	Deformable wheel robot based on origami structure <b>2013</b> ,		30
143	Research Trends in Sustainable Manufacturing: A Review and Future Perspective based on Research Databases. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2019</b> , 6, 809-819	3.8	27
142	Effect of twist morphing wing segment on aerodynamic performance of UAV. <i>Journal of Mechanical Science and Technology</i> , <b>2016</b> , 30, 229-236	1.6	27
141	Direct metal printing of 3D electrical circuit using rapid prototyping. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2009</b> , 10, 147-150	1.7	27
140	Real-time prediction and anomaly detection of electrical load in a residential community. <i>Applied Energy</i> , <b>2020</b> , 259, 114145	10.7	27
139	Stretchable Biaxial and Shear Strain Sensors Using Diffractive Structural Colors. <i>ACS Nano</i> , <b>2020</b> , 14, 53926739927	26.3	27
138	A shape memory alloy based soft morphing actuator capable of pure twisting motion. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2015</b> , 26, 1071-1078	2.3	25
137	Aerodynamically focused nanoparticle (AFN) printing: novel direct printing technique of solvent-free and inorganic nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 16466-71	9.5	24
136	Direct Printing of Strain Sensors via Nanoparticle Printer for the Applications to Composite Structural Health Monitoring. <i>Procedia CIRP</i> , <b>2017</b> , 66, 238-242	1.8	24
135	Tool-wear monitoring during micro-end milling using wavelet packet transform and Fisher's linear discriminant. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2016</b> , 17, 845-855	1.7	24
134	Shape memory textile composites with multi-mode actuations for soft morphing skins. <i>Composites Part B: Engineering</i> , <b>2020</b> , 198, 108170	10	22
133	Soundproofing properties of polypropylene/clay/carbon nanotube nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 504-509	2.9	22
132	Room temperature deposition of TiO <sub>2</sub> using nano particle deposition system (NPDS): Application to dye-sensitized solar cell (DSSC). <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2011</b> , 12, 749-752	1.7	21
131	Shape Memory Alloy-Based Soft Finger with Changeable Bending Length Using Targeted Variable Stiffness. <i>Soft Robotics</i> , <b>2020</b> , 7, 283-291	9.2	21
130	Optimization of hybrid renewable energy power system for remote installations: Case studies for mountain and island. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2016</b> , 17, 815-822	1.7	20
129	Research advancement of green technologies. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2014</b> , 15, 973-977	1.7	20
128	DEPOSITION OF Al <sub>2</sub> O <sub>3</sub> POWDERS USING NANO-PARTICLE DEPOSITION SYSTEM. <i>Surface Review and Letters</i> , <b>2010</b> , 17, 189-193	1.1	20

127	Auxetic lattice of multipods. <i>Physica Status Solidi (B): Basic Research</i> , <b>2009</b> , 246, 2098-2101	1.3	20
126	Design and analysis of a smart soft composite structure for various modes of actuation. <i>Composites Part B: Engineering</i> , <b>2016</b> , 95, 155-165	10	20
125	3D soft lithography: A fabrication process for thermocurable polymers. <i>Journal of Materials Processing Technology</i> , <b>2015</b> , 217, 302-309	5.3	19
124	Numerical simulation and verification of a curved morphing composite structure with embedded shape memory alloy wire actuators. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2013</b> , 24, 89-98	3.3	19
123	Comparison of mold designs for SMA-based twisting soft actuator. <i>Sensors and Actuators A: Physical</i> , <b>2016</b> , 237, 96-106	3.9	18
122	Novel fabrication of an electrochromic antimony-doped tin oxide film using a nanoparticle deposition system. <i>Applied Surface Science</i> , <b>2016</b> , 377, 370-375	6.7	18
121	Nanoscale 3D printing process using aerodynamically focused nanoparticle (AFN) printing, micro-machining, and focused ion beam (FIB). <i>CIRP Annals - Manufacturing Technology</i> , <b>2015</b> , 64, 523-526	4.9	17
120	Laser-assisted nano particle deposition system and its application for dye sensitized solar cell fabrication. <i>CIRP Annals - Manufacturing Technology</i> , <b>2012</b> , 61, 575-578	4.9	17
119	Computer-aided environmental design system for the energy-using product (EuP) directive. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2010</b> , 11, 397-406	1.7	17
118	Socio-economic impact of renewable energy-based power system in mountainous villages of Nepal. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2017</b> , 4, 37-44	3.8	16
117	Fabrication and reliable implementation of an ionic polymer-metal composite (IPMC) biaxial bending actuator. <i>Smart Materials and Structures</i> , <b>2011</b> , 20, 105026	3.4	16
116	Fabrication and Characterization of Microparts by Mechanical Micromachining: Precision and Cost Estimation. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2007</b> , 221, 231-240	2.4	16
115	Low temperature fabrication of FeO nanorod film coated with ultra-thin g-CN for a direct z-scheme exerting photocatalytic activities.. <i>RSC Advances</i> , <b>2018</b> , 8, 33600-33613	3.7	16
114	Highly Sensitive Solvent-free Silver Nanoparticle Strain Sensors with Tunable Sensitivity Created Using an Aerodynamically Focused Nanoparticle Printer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 26421-26432	9.5	15
113	A Simplified Machine-Tool Power-Consumption Measurement Procedure and Methodology for Estimating Total Energy Consumption. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2016</b> , 138,	3.3	15
112	Soundproofing ability and mechanical properties of polypropylene/exfoliated graphite nanoplatelet/carbon nanotube (PP/xGnP/CNT) composite. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2013</b> , 14, 1087-1092	1.7	15
111	Future perspectives of sustainable manufacturing and applications based on research databases. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2016</b> , 17, 1249-1263	1.7	15
110	Novel design of hollow g-CN nanofibers decorated with MoS and S, N-doped graphene for ternary heterostructures. <i>Dalton Transactions</i> , <b>2019</b> , 48, 2170-2178	4.3	14

109	A Low-Cost Vision-Based Monitoring of Computer Numerical Control (CNC) Machine Tools for Small and Medium-Sized Enterprises (SMEs). <i>Sensors</i> , <b>2019</b> , 19,	3.8	14
108	Fabrication of 3D soft morphing structure using shape memory alloy (SMA) wire/polymer skeleton composite. <i>Journal of Mechanical Science and Technology</i> , <b>2013</b> , 27, 3123-3129	1.6	14
107	Woven type smart soft composite beam with in-plane shape retention. <i>Smart Materials and Structures</i> , <b>2013</b> , 22, 125007	3.4	14
106	Smart Phone Robot Made of Smart Soft Composite (SSC). <i>Composites Research</i> , <b>2015</b> , 28, 52-57		14
105	Multilayer deposition of ceramic and metal at room temperature using nanoparticle deposition system (NPDS) and planarization process. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2014</b> , 72, 41-46	3.2	13
104	Flexible ceramic-elastomer composite piezoelectric energy harvester fabricated by additive manufacturing. <i>Journal of Composite Materials</i> , <b>2016</b> , 50, 1573-1579	2.7	12
103	Bulk density measurement of porous functionally graded materials. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2018</b> , 19, 31-37	1.7	11
102	Rapid prototyping and testing of 3d micro rockets using mechanical micro machining. <i>Journal of Mechanical Science and Technology</i> , <b>2006</b> , 20, 85-93	1.6	11
101	Formation Strategy of Renewable Energy Sources for High Mountain Off-grid System Considering Sustainability. <i>Journal of the Korean Society for Precision Engineering</i> , <b>2012</b> , 29, 958-963	0.3	11
100	Power Consumption Assessment of Machine Tool Feed Drive Units. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2020</b> , 7, 455-464	3.8	11
99	Advanced scanning paths for focused ion beam milling. <i>Vacuum</i> , <b>2017</b> , 143, 40-49	3.7	10
98	Colour-tunable 50% strain sensor using surface-nanopatterning of soft materials via nanoimprinting with focused ion beam milling process. <i>CIRP Annals - Manufacturing Technology</i> , <b>2019</b> , 68, 595-598	4.9	10
97	Laser Controlled 65 Micrometer Long Microrobot Made of Ni-Ti Shape Memory Alloy. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1900583	6.8	10
96	Pulse width modulation as energy-saving strategy of shape memory alloy based smart soft composite actuator. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2017</b> , 18, 895-901	1.7	10
95	Photovoltaic Characteristics of a Dye-Sensitized Solar Cell (DSSC) Fabricated by a Nano-Particle Deposition System (NPDS). <i>Materials Transactions</i> , <b>2013</b> , 54, 2064-2068	1.3	10
94	Numerical simulation of hybrid composite shape-memory alloy wire-embedded structures. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2011</b> , 22, 1941-1948	2.3	10
93	Stretchable chipless RFID multi-strain sensors using direct printing of aerosolised nanocomposite. <i>Sensors and Actuators A: Physical</i> , <b>2020</b> , 313, 112224	3.9	10
92	Image-based failure detection for material extrusion process using a convolutional neural network. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2020</b> , 111, 1291-1302	3.2	10

91	Appropriate Smart Factory for SMEs: Concept, Application and Perspective. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2021</b> , 22, 201-215	1.7	10
90	Resistive pressure sensor based on cylindrical micro structures in periodically ordered electrospun elastic fibers. <i>Smart Materials and Structures</i> , <b>2018</b> , 27, 11LT01	3.4	10
89	Effect of repeated insertions into a mesoscale pinhole assembly: Case of interference fit. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2013</b> , 14, 1651-1654	1.7	9
88	Evaluation of morphological architecture of cellulose chains in grass during conversion from macro to nano dimensions. <i>E-Polymers</i> , <b>2009</b> , 9,	2.7	9
87	Coating of Ni powders through micronozzle in a nano particle deposition system. <i>Metals and Materials International</i> , <b>2010</b> , 16, 465-467	2.4	9
86	Laser-marking process for liquid-crystal display light guide panel. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2005</b> , 219, 565-569	2.4	9
85	Minimization of Recombination Losses in 3D Nanostructured TiO <sub>2</sub> Coated with Few Layered g-C <sub>3</sub> N <sub>4</sub> for Extended Photo-response. <i>Journal of the Korean Ceramic Society</i> , <b>2016</b> , 53, 393-399	2.2	9
84	Ionic liquid-induced synthesis of a graphene intercalated ferrocene nanocatalyst and its environmental application. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 182, 326-335	21.8	8
83	Design and evaluation of micro-cutting tools for local planarization. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2016</b> , 17, 1267-1273	1.7	8
82	Investigation of Varying Particle Sizes of Dry-Deposited WO <sub>3</sub> Particles in Relation to Performance of Electrochromic Cell. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2018</b> , 5, 409-414	3.8	8
81	Shape memory alloy (SMA)-based head and neck immobilizer for radiotherapy. <i>Journal of Computational Design and Engineering</i> , <b>2015</b> , 2, 176-182	4.6	8
80	Design and 3D printing of controllable-pitch archimedean screw for pico-hydropower generation. <i>Journal of Mechanical Science and Technology</i> , <b>2015</b> , 29, 4851-4857	1.6	8
79	Defects of wave patterns from tungsten carbide/stainless steel brazed micro-end-milling for printed circuit board machining. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2013</b> , 227, 1743-1747	2.4	8
78	Nanoparticle Deposition of Al <sub>2</sub> O <sub>3</sub> Powders on Various Substrates. <i>Materials Transactions</i> , <b>2009</b> , 50, 2680-2684	3.6	8
77	Reduction of Functionally Graded Material Layers for Si <sub>3</sub> N <sub>4</sub> -Al <sub>2</sub> O <sub>3</sub> System Using Three-Dimensional Finite Element Modeling. <i>Materials Transactions</i> , <b>2008</b> , 49, 829-834	1.3	8
76	Web-based design and manufacturing systems for micromachining: Comparison of architecture and usability. <i>Computer Applications in Engineering Education</i> , <b>2006</b> , 14, 169-177	1.6	8
75	Stable and magnetically reusable nanoporous magnetite micro/nanospheres for rapid extraction of carcinogenic contaminants from water. <i>RSC Advances</i> , <b>2016</b> , 6, 34297-34311	3.7	8
74	Sound-based remote real-time multi-device operational monitoring system using a Convolutional Neural Network (CNN). <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 58, 431-441	9.1	8



73	Direct coating of a g-CN layer onto one-dimensional TiO nanocluster/nanorod films for photoactive applications. <i>Dalton Transactions</i> , <b>2018</b> , 47, 7237-7244	4.3	8
72	Simulation of electrical conductivity for nanoparticles and nanotubes composite sensor according to geometrical properties of nanomaterials. <i>Composites Part B: Engineering</i> , <b>2019</b> , 174, 107003	10	7
71	Evaluation of Industry 4.0 Data formats for Digital Twin of Optical Components. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2020</b> , 7, 573-584	3.8	7
70	Spherical Mirror and Surface Patterning on Silicon Carbide (SiC) by Material Removal Rate Enhancement Using CO2 Laser Assisted Polishing. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2020</b> , 21, 775-785	1.7	7
69	Synergistic effects of carbon nanotubes and exfoliated graphite nanoplatelets for electromagnetic interference shielding and soundproofing. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, n/a-n/a	2.9	7
68	Development of micro torque measurement device using strain gauge <b>2009</b> ,		7
67	Nanoscale effects in carbon structures fabricated using focused ion beam-chemical vapor deposition. <i>Thin Solid Films</i> , <b>2010</b> , 518, 5177-5182	2.2	7
66	MIMS: Web-based micro machining service. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2005</b> , 18, 251-259	4.3	7
65	Design and Analysis of Artificial Muscle Robotic Elbow Joint Using Shape Memory Alloy Actuator. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2020</b> , 21, 249-256	1.7	7
64	Smart sewing work measurement system using IoT-based power monitoring device and approximation algorithm. <i>International Journal of Production Research</i> , <b>2020</b> , 58, 6202-6216	7.8	7
63	Hybrid composite actuator with shape retention capability for morphing flap of unmanned aerial vehicle (UAV). <i>Composite Structures</i> , <b>2020</b> , 243, 112227	5.3	7
62	"On the Dot"-The Timing of Self-Assembled Growth to the Quantum Scale. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 8104-8117	4.8	6
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