Ajit Khosla

List of Publications by Year
in descending order

200	4,025	147566 31	161609 54
papers	citations	h-index	g-index

207	207	207	3292
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A CPW-fed flexible UWB antenna for IoT applications. Microsystem Technologies, 2022, 28, 5-11.	1.2	33
2	Effect of nanocrystalline cellulose and zinc oxide hybrid organicâ€“inorganic nanofiller on the physical properties of polycaprolactone nanocomposite films. Microsystem Technologies, 2022, 28, 143-152.	1.2	8
3	Flexible Prussian blue/Carbon dots nanocomposite modified exfoliated graphite paper based sensor for simultaneous monitoring of hypertension and Parkinson disease. Microsystem Technologies, 2022, 28, 109-119.	1.2	7
4	Black carbon paper based polyanthraquinone coated exfoliated graphite for flexible paper battery. Microsystem Technologies, 2022, 28, 59-67.	1.2	3
5	Comparative study of PTB7:PC71BM based polymer solar cells fabricated under different working environments. Microsystem Technologies, 2022, 28, 269-274.	1.2	6
6	Fabrication, physical and optical properties of functionalized cellulose based polymethylmethacrylate nanocomposites. Microsystem Technologies, 2022, 28, 255-265.	1.2	2
7	Fabrication of an ultra-sensitive hydrazine sensor based on nano-chips shaped nickel hydroxide modified electrodes. Microsystem Technologies, 2022, 28, 279-286.	1.2	5
8	Structural and spectral studies of Ce³⁺ doped Sr₃Y(BO₃)₃ nano phosphors prepared by combustion synthesis. Materials Technology, 2022, 37, 450-461.	1.5	17
9	Nano-donuts shaped nickel oxide nanostructures for sensitive non-enzymatic electrochemical detection of glucose. Microsystem Technologies, 2022, 28, 313-318.	1.2	7
10	Investigating photoluminescence properties of Eu³⁺ doped CaWO₄ nanoparticles via Bi³⁺ amalgamation for w-LEDs application. Materials Technology, 2022, 37, 1051-1061.	1.5	10
11	Thermally Expanded Graphite Incorporated with PEDOT:PSS Based Anode for Microbial Fuel Cells with High Bioelectricity Production. Journal of the Electrochemical Society, 2022, 169, 017515.	1.3	10
12	Investigations on the effect of NH₄Cl flux on the structural and optical properties of CdSiO₃:Eu³⁺ nanophosphor. Materials Research Innovations, 2022, 26, 437-445.	1.0	0
13	Reviewâ€”Towards 5th Generation AI and IoT Driven Sustainable Intelligent Sensors Based on 2D MXenes and Borophene. , 2022, 1, 013601.		238
14	Surface Reconstruction on Uniform Cu Nanodisks Boosted Electrochemical Nitrate Reduction to Ammonia. , 2022, 4, 650-656.		42
15	ECS Sensors Plusâ€“An Electrochemical Society Journal. , 2022, 1, 010001.		4
16	Reviewâ€”Metal and Metal Oxide Nanoparticles/Nanocomposites as Electrochemical Biosensors for Cancer Detection. Journal of the Electrochemical Society, 2022, 169, 047504.	1.3	15
17	Synthesis of various dimensional metal organic frameworks (MOFs) and their hybrid composites for emerging applications â€“ A review. Chemosphere, 2022, 298, 134184.	4.2	82
18	Review on Biosensors: Fundamentals, Classifications, Characteristics, Simulations, and Potential Applications. ECS Transactions, 2022, 107, 13005-13029.	0.3	0

#	Article	IF	Citations
19	Reviewâ€"Nanostructured Materials for Sensing pH: Evolution, Fabrication and Challenges. Journal of the Electrochemical Society, 2022, 169, 057517.	1.3	4
20	Reviewâ€"Recent Trends on the Synthesis and Different Characterization Tools for MXenes and their Emerging Applications. Journal of the Electrochemical Society, 2022, 169, 077501.	1.3	9
21	Facile Synthesis of Carbon Nanobelts Decorated with Cu and Pd for Nitrate Electroreduction to Ammonia. ACS Applied Materials & Interfaces, 2022, 14, 30969-30978.	4.0	30
22	Morphologyâ€€controlled synthesis and structural features of ultrafine nanoparticles of Co₃O₄: An active electrode material for a supercapacitor. , 2022, 1, .		12
23	Study the effect of Zn2+ co-doping on the structural and optical properties of CdSiO3:Eu3+ phosphor. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	0
24	Electrochemical Detection of H₂O₂Using an Activated Glassy Carbon Electrode. , 2022, 1, 034401.		73
25	4D Printing and Soft-Matter Robotics for Smart Soft-Manufacturing Solutions. Journal of the Robotics Society of Japan, 2021, 39, 302-305.	0.0	0
26	Reviewâ€"Recent Advances in Tin Oxide Nanomaterials as Electrochemical/Chemiresistive Sensors. Journal of the Electrochemical Society, 2021, 168, 027505.	1.3	130
27	Room Temperature Synthesis of Colossal Magneto-Resistance of La_{2/3}Ca_{1/3}MnO₃: Ag_{0.10} Composite. ECS Journal of Solid State Science and Technology, 2021, 10, 027006.	0.9	5
28	Reviewâ€"Influence of Processing Parameters to Control Morphology and Optical Properties of Sol-Gel Synthesized ZnO Nanoparticles. ECS Journal of Solid State Science and Technology, 2021, 10, 023002.	0.9	141
29	Fully 3D-Printed Hydrogel Actuator for Jellyfish Soft Robots. ECS Journal of Solid State Science and Technology, 2021, 10, 037002.	0.9	30
30	Performance analysis, challenges and future perspectives of nickel based nanostructured electrodes for electrochemical supercapacitors. Journal of Materials Research and Technology, 2021, 11, 564-599.	2.6	65
31	Free standing porous composite films and membranes obtained through substrate-guided assembly. Materials Letters, 2021, 288, 129317.	1.3	5
32	Development of Cu/F-MWCNT/ZnO Based Active Layer for Long Term Soil Urea Measurements. ECS Meeting Abstracts, 2021, MA2021-01, 1329-1329.	0.0	0
33	F- MWCNT/ ZnO Nanocomposites for Real-Time Detection of Ammonium Level in Paddy Field. ECS Meeting Abstracts, 2021, MA2021-01, 1330-1330.	0.0	0
34	Engineered CuO Nanofibers with Boosted Non-Enzymatic Glucose Sensing Performance. Journal of the Electrochemical Society, 2021, 168, 067507.	1.3	37
35	Improved pH-Sensing Characteristics by Pt Nanoparticle-Decorated ZnO Nanostructures. ECS Journal of Solid State Science and Technology, 2021, 10, 067001.	0.9	13
36	4D printing: Fundamentals, materials, applications and challenges. Polymer, 2021, 228, 123926.	1.8	118

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37	Recent advances in anticancer and antimicrobial activity of silver nanoparticles synthesized using phytochemicals and organic polymers. Nanotechnology, 2021, 32, 462001.	1.3	14
38	Promising photocatalytic degradation of methyl orange dye via sol-gel synthesized Agâ€“CdS@Pr-TiO2 core/shell nanoparticles. Physica B: Condensed Matter, 2021, 616, 413121.	1.3	38
39	Emerging role of trimethylamine-N-oxide (TMAO) in colorectal cancer. Applied Microbiology and Biotechnology, 2021, 105, 7651-7660.	1.7	34
40	Recent Advances in Electrochemical Biosensors: Applications, Challenges, and Future Scope. Biosensors, 2021, 11, 336.	2.3	175
41	CsPbBr₃ Nanoplatelets: Synthesis and Understanding of Ultraviolet Light-Induced Structural Phase Change and Luminescence Degradation. ECS Journal of Solid State Science and Technology, 2021, 10, 096002.	0.9	10
42	Preparation of cotton fabric based non-invasive colorimetric sensor for instant detection of ketones. Journal of Saudi Chemical Society, 2021, 25, 101340.	2.4	6
43	Highly stable self-charging piezoelectric (Rochelle salt) driven supercapacitor based on Ni nanowires. Chemical Engineering Journal, 2021, 424, 130567.	6.6	44
44	Engineered Hierarchical CuO Nanoleaves Based Electrochemical Nonenzymatic Biosensor for Glucose Detection. Journal of the Electrochemical Society, 2021, 168, 017501.	1.3	83
45	A highly sensitive uric acid biosensor based on vertically arranged ZnO nanorods on a ZnO nanoparticle-seeded electrode. New Journal of Chemistry, 2021, 45, 18863-18870.	1.4	16
46	Salen type additives as corrosion mitigator for <scp>Niâ€“W</scp> alloys: Detailed electronic/atomicâ€scale computational illustration. International Journal of Quantum Chemistry, 2021, 121, e26600.	1.0	15
47	Gold Nanoparticles; Synthesis, Characterization and Comparative Studies of Their Antimicrobial Activities. ECS Meeting Abstracts, 2021, MA2021-02, 1616-1616.	0.0	0
48	Design of Gel Fiber Turnover for Self Cleaning in Soft Robotics. ECS Meeting Abstracts, 2021, MA2021-02, 1571-1571.	0.0	0
49	Gel Deformation Sensor with 3D Printed Microchannels. ECS Meeting Abstracts, 2021, MA2021-02, 1574-1574.	0.0	0
50	Solving Power and Control Using Wireless Transmission Systems for Hard to Access Electrochemical Sensors. ECS Meeting Abstracts, 2021, MA2021-02, 1588-1588.	0.0	0
51	Novel Soft Materials with Nonlinear Mechanical Response. ECS Meeting Abstracts, 2021, MA2021-02, 1591-1591.	0.0	0
52	Improvement of the UV-Sensing Performance of Ga-Doped ZnO Nanostructures via a Wet Chemical Solution at Room Temperature. ECS Journal of Solid State Science and Technology, 2021, 10, 127001.	0.9	30
53	Development of Novel Soft Materials with Mechanical Anisotropy using 3D Printed Lattice Structures and Application for Soft Robots. ECS Meeting Abstracts, 2021, MA2021-02, 1576-1576.	0.0	0
54	Reviewâ€”Recent Advances in Block-Copolymer Nanostructured Subwavelength Antireflective Surfaces. Journal of the Electrochemical Society, 2020, 167, 037502.	1.3	16

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55	Reviewâ€"Recent Advances in Nanostructured Graphitic Carbon Nitride as a Sensing Material for Heavy Metal Ions. Journal of the Electrochemical Society, 2020, 167, 037519.	1.3	57
56	Eu doped NaYF4@Er:TiO2 nanoparticles for tunable ultraviolet light based anti-counterfeiting applications. Microsystem Technologies, 2020, , 1.	1.2	19
57	Reviewâ€"Recent Advances and Challenges in Indium Gallium Nitride (In_xGa_{1-x}N) Materials for Solid State Lighting. ECS Journal of Solid State Science and Technology, 2020, 9, 015011.	0.9	34
58	Flexible and Conductive 3D Printable Polyvinylidene Fluoride and Poly(N,Nâ€dimethylacrylamide) Based Gel Polymer Electrolytes. Macromolecular Materials and Engineering, 2020, 305, 2000262.	1.7	15
59	Flexible Ultraviolet Photodetectors Based on One-Dimensional Gallium-Doped Zinc Oxide Nanostructures. ACS Applied Electronic Materials, 2020, 2, 3522-3529.	2.0	82
60	Synthesis of Auâ€"SnO2 nanoparticles for electrochemical determination of vitamin B12. Journal of Materials Research and Technology, 2020, 9, 14321-14337.	2.6	66
61	Wireless Power-Data Transmission for Industrial Internet of Things: Simulations and Experiments. IEEE Access, 2020, 8, 187965-187974.	2.6	4
62	Hydrothermally Synthesized Nickel Oxide Nanosheets for Non-Enzymatic Electrochemical Glucose Detection. Journal of the Electrochemical Society, 2020, 167, 107504.	1.3	56
63	Behaviors of 3D-printed objects made of thermo-responsive hydrogels: motion in flow and molecule release ability. Microsystem Technologies, 2020, , 1.	1.2	1
64	Perspectiveâ€"Electrochemical Sensors for Soil Quality Assessment. Journal of the Electrochemical Society, 2020, 167, 037550.	1.3	80
65	Prefaceâ€"Sensor Reviews. Journal of the Electrochemical Society, 2020, 167, 030001.	1.3	1
66	Reviewâ€"Recent Advances in the Development of Carbon Nanotubes Based Flexible Sensors. Journal of the Electrochemical Society, 2020, 167, 047506.	1.3	36
67	Reviewâ€"Recent Advances in Carbon Nanomaterials as Electrochemical Biosensors. Journal of the Electrochemical Society, 2020, 167, 037555.	1.3	272
68	High performance asymmetric supercapacitor based on vertical nanowire arrays of a novel Ni@Coâ€"Fe LDH core@shell as negative and Ni(OH)₂ as positive electrode. Nanotechnology, 2020, 31, 245401.	1.3	36
69	Reviewâ€"Recent Progresses in 4D Printing of Gel Materials. Journal of the Electrochemical Society, 2020, 167, 037563.	1.3	45
70	Synthesis of SnO2 nanowires as a reusable and flexible electrode for electrochemical detection of riboflavin. Microchemical Journal, 2020, 156, 104858.	2.3	57
71	Rheological and mechanical properties of edible gel materials for 3D food printing technology. Heliyon, 2020, 6, e05859.	1.4	50
72	Performance of Electrochemically Synthesized Nickel-Zinc and Nickel-Iron (Niâ€"Zn//Niâ€"Fe) Nanowires as Battery Type Supercapacitor. Journal of the Electrochemical Society, 2020, 167, 120527.	1.3	40

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73	Real Time Analysis of Biphasic Temperature Pattern of BBT Using NiMn₂O₄ Nanocomposite Thermistor. Journal of the Electrochemical Society, 2020, 167, 137510.	1.3	2
74	3D Printable Vapochromic Sensing Materials. Journal of the Electrochemical Society, 2020, 167, 167503.	1.3	10
75	Highly Sensitive Hydrazine Detection Using a Vertically Oriented ZnO Nanosheet-based Field-Effect Transistor. Journal of the Electrochemical Society, 2020, 167, 167513.	1.3	26
76	Multi-Walled Carbon Nanotubes Decorated with Silver Nanoparticles for Acetone Gas Sensing at Room Temperature. Journal of the Electrochemical Society, 2020, 167, 167519.	1.3	75
77	Very Wide Sensing Range and Hysteresis Behaviors of Tactile Sensor Developed by Embedding Soft Ionic Gels in Soft Silicone Elastomers. ECS Journal of Solid State Science and Technology, 2020, 9, 061024.	0.9	16
78	Perspectiveâ€"Maintaining the Quality of Life in Depopulating Communities: Expanding Smart Sensing via a Novel Power Supply. Journal of the Electrochemical Society, 2020, 167, 037564.	1.3	1
79	SnO2 nanowires for Electrochemical Detection of Riboflavin. ECS Meeting Abstracts, 2020, MA2020-01, 2086-2086.	0.0	0
80	3D Printable Vapochromic Sensing Materials. ECS Meeting Abstracts, 2020, MA2020-01, 2305-2305.	0.0	0
81	ZnO Nanorods Based Miniature Sensor Networks for Continuous Monitoring of Soil pH in Smart Agriculture. ECS Meeting Abstracts, 2020, MA2020-01, 2217-2217.	0.0	0
82	(Invited) Additive Manufacturing: Sustainable Manufacturing of Flexible Sensors, Systems and Devices. ECS Meeting Abstracts, 2020, MA2020-01, 2200-2200.	0.0	3
83	Assimilation of Interdigitated Electrodes (IDEs) with ZnO Nanorods (NRs) for Potassium Measurement Application. ECS Meeting Abstracts, 2020, MA2020-01, 2218-2218.	0.0	0
84	Electrical Conductivity and Linear Rheology of Multi-Walled Carbon Nanotube/Acrylonitrile Butadiene Styrene Polymer Nanocomposites Prepared By Melt Mixing and Solution Casting. ECS Meeting Abstracts, 2020, MA2020-01, 2281-2281.	0.0	0
85	Electrical Conductivity of Multiwalled Carbon Nanotube/Acrylonitrile Butadiene Styrene Polymer Nanocomposites prepared by Melt Mixing: Comparison of Twin Screw Extrusion and Batch Mixing. ECS Meeting Abstracts, 2020, MA2020-01, 2456-2456.	0.0	0
86	Electrochemical Detection of Analytes in Fluids. ECS Meeting Abstracts, 2020, MA2020-01, 2102-2102.	0.0	0
87	(Invited) TheSimultaneous 3D Printing of White and Transparent Gels for Medical Models. ECS Transactions, 2020, 98, 47-54.	0.3	2
88	(Invited) Design of Hydrogel Material and 3D-Printed Molding for Imitating the Tactile Textured Properties of Moon Jellyfish. ECS Transactions, 2020, 98, 39-45.	0.3	2
89	(Invited) Texture Control of 3D Printing: Effect of Internal Structure of 3D Printed Foods on their Fracture Process in Compression. ECS Transactions, 2020, 98, 59-63.	0.3	2
90	(Invited) Formation of Liposomes Containing Pre-Gel Solution and 3D-Printing Applications by Droplet-Shooting Method. ECS Transactions, 2020, 98, 85-92.	0.3	3

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91	(Invited) Skin-Mimic Hydrogel Materials with Water-Perspiration Control for Soft Robots Developed by 3D Printing. ECS Transactions, 2020, 98, 23-27.	0.3	2
92	(Invited) Soft-Matter Robot That Communicates Humans By Contacting. ECS Transactions, 2020, 98, 65-69.	0.3	1
93	(Invited) 3D Printing of Soft-Matter Mono Pump in Infant Ventricular Assist Device (VAD) for Blood Pumping. ECS Transactions, 2020, 98, 31-38.	0.3	2
94	(Invited) Material Development and Equipment Improvement for 3D Gel Printing Using a Commercially-Available Stereolithography Printer. ECS Transactions, 2020, 98, 93-100.	0.3	0
95	(Invited) 3D Printing and Wireless Power Transfer Systems for Soft Robotics Applications. ECS Transactions, 2020, 98, 55-58.	0.3	3
96	(Invited) 3D Printing of Soft-Matter Mono Pump in Infant Ventricular Assist Device (VAD) for Blood Pumping. ECS Meeting Abstracts, 2020, MA2020-02, 3698-3698.	0.0	0
97	(Invited) Material Development and Equipment Improvement for 3D Gel Printing Using a Commercially-Available Stereolithography Printer. ECS Meeting Abstracts, 2020, MA2020-02, 3714-3714.	0.0	0
98	(Invited) TheSimultaneous 3D Printing of White and Transparent Gels for Medical Models. ECS Meeting Abstracts, 2020, MA2020-02, 3702-3702.	0.0	0
99	(Invited) Fabrication of Polymer Gels with Double Network Using Multi-Material 2/3D Printing. ECS Meeting Abstracts, 2020, MA2020-02, 3707-3707.	0.0	0
100	(Invited) Skin-Mimic Hydrogel Materials with Water-Perspiration Control for Soft Robots Developed by 3D Printing. ECS Meeting Abstracts, 2020, MA2020-02, 3695-3695.	0.0	0
101	(Invited) Formation of Liposomes Containing Pre-Gel Solution and 3D-Printing Applications by Droplet-Shooting Method. ECS Meeting Abstracts, 2020, MA2020-02, 3710-3710.	0.0	0
102	Percolation in Multi-Walled Carbon Nanotube/Acrylonitrile Butadiene Styrene Polymer Nanocomposites Prepared By Melt Mixing and Solution Casting: Electrical Conductivity and Linear Rheology. ECS Meeting Abstracts, 2020, MA2020-02, 3720-3720.	0.0	0
103	(Invited) Scanning Microscopic Light Scattering with Machine Learning for Quality Assurance of 3D-Printed Hydrogels. ECS Meeting Abstracts, 2020, MA2020-02, 3696-3696.	0.0	0
104	(Invited) Low-cost 3D Gel Printer as Soft and Wet Industrial Materials Easy Realizer Developed by Virtue of RepRap Open Source Project. ECS Meeting Abstracts, 2020, MA2020-02, 3694-3694.	0.0	0
105	(Invited) 3D Printing and Wireless Power Transfer Systems for Soft Robotics Applications. ECS Meeting Abstracts, 2020, MA2020-02, 3703-3703.	0.0	0
106	(Invited) Texture Control of 3D Printing: Effect of Internal Structure of 3D Printed Foods on their Fracture Process in Compression. ECS Meeting Abstracts, 2020, MA2020-02, 3705-3705.	0.0	0
107	(Invited) Soft-Matter Robot That Communicates Humans By Contacting. ECS Meeting Abstracts, 2020, MA2020-02, 3706-3706.	0.0	0
108	Prefaceâ€"JES Focus Issue on 4D Materials and Systems. Journal of the Electrochemical Society, 2019, 166, Y11-Y11.	1.3	0

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109	Additive Manufacturing of Microreservoir Devices for Oral Drug Delivery Using an Acculas BA-30ÂMicro-Stereolithography Instrument: A Feasibility Study. Journal of the Electrochemical Society, 2019, 166, B3257-B3263.	1.3	6
110	Vanadium Redox Flow Batteries Fabricated by 3D Printing and Employing Recycled Vanadium Collected from Ammonia Slag. Journal of the Electrochemical Society, 2019, 166, B3125-B3130.	1.3	12
111	Electrical Conductivity and Linear Rheology of Multiwalled Carbon Nanotube/Acrylonitrile Butadiene Styrene Polymer Nanocomposites Prepared by Melt Mixing and Solution Casting. Journal of the Electrochemical Society, 2019, 166, B3091-B3095.	1.3	13
112	Development of Tungsten Oxide Nanoparticle Modified Carbon Fibre Cloth as Flexible pH Sensor. Scientific Reports, 2019, 9, 4659.	1.6	31
113	Prefaceâ€"Semiconductor Electrochemistry and Photoelectrochemistry in Honor of Krishnan Rajeshwar. Journal of the Electrochemical Society, 2019, 166, Y5-Y6.	1.3	4
114	Soft, conductive nanocomposites based on ionic liquids/carbon nanotubes for 3D printing of flexible electronic devices. Polymer Journal, 2019, 51, 511-521.	1.3	39
115	Smart energy systems. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2019, 22, 452-456.	0.3	3
116	3D printing of electrically conductive hybrid organicâ€"inorganic composite materials. Microsystem Technologies, 2018, 24, 4341-4345.	1.2	17
117	Hydrogel coating on soft polymeric substrates for microfluidic devices. Microsystem Technologies, 2018, 24, 4383-4388.	1.2	1
118	Micro and nanostructure based electrochemical sensor platform for glutamate detection. Microsystem Technologies, 2018, 24, 4193-4206.	1.2	21
119	A non enzymatic glutamate sensor based on nickel oxide nanoparticle. Microsystem Technologies, 2018, 24, 4217-4223.	1.2	56
120	Electrochemically synthesized new class of molecularly imprinted poly-rhodamine b nanodots for the detection of nutritional anaemia biomarker-bovine haemoglobin in salt-sick cattle. Microsystem Technologies, 2018, 24, 4225-4235.	1.2	2
121	Hybrid micromolding of silver micro fiber doped electrically conductive elastomeric composite polymer for flexible sensors and electronic devices. Microsystem Technologies, 2018, 24, 4159-4164.	1.2	12
122	Fabrication and characterization of n-Si/SiON/metal gate structure for future MOS technology. Microsystem Technologies, 2018, 24, 4179-4185.	1.2	1
123	Spin-coated single walled carbon nanotubes confirms pâ€"n junction diode behavior. Microsystem Technologies, 2018, 24, 4211-4215.	1.2	0
124	Synthesis and Characterization of an Efficient Hole-Conductor Free Halide Perovskite CH₃NH₃PbI₃Semiconductor Absorber Based Photovoltaic Device for IOT. Journal of the Electrochemical Society, 2018, 165, B3023-B3029.	1.3	27
125	Electric control of friction on surface of high-strength hydrogels. Microsystem Technologies, 2018, 24, 639-646.	1.2	10
126	Development of Soft Ion Gel Based Touch Sensor. ECS Transactions, 2018, 88, 59-67.	0.3	0

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127	Development of Hydrogel Fatigue Sensor. ECS Transactions, 2018, 88, 69-73.	0.3	0
128	Separation of Motile Euglena Using Microchannel. ECS Transactions, 2018, 88, 37-43.	0.3	1
129	Development of Color Gel System. ECS Transactions, 2018, 88, 51-57.	0.3	1
130	Vanadium Redox Flow Batteries Fabricated by 3D Printing and Employing Recycled Vanadium Collected from Ammonia Slag. ECS Transactions, 2018, 88, 269-278.	0.3	1
131	Development of Multi-Material 3D Printer. ECS Transactions, 2018, 88, 449-453.	0.3	2
132	Creation and Drive Evaluation of Jellyfish Type Autonomous Unmanned Submersible. ECS Transactions, 2018, 88, 45-49.	0.3	1
133	Investigation of Printing Properties on Paper Substrate. Journal of the Electrochemical Society, 2018, 165, B3163-B3167.	1.3	17
134	Prefaceâ€"JES Focus Issue on Ubiquitous Sensors and Systems for IoT. Journal of the Electrochemical Society, 2018, 165, Y9-Y9.	1.3	1
135	3D printing of shape memory hydrogels with tunable mechanical properties. Soft Matter, 2018, 14, 7809-7817.	1.2	59
136	Conductive Shape Memory Gels for Sensing Application. ECS Transactions, 2018, 85, 1433-1439.	0.3	0
137	Density, excess molar volume and some of their derived properties of the binary systems of methyl acetate with methyl derivatives of monoethanolamine between 293.15 and 313.15ÂK. Microsystem Technologies, 2018, 24, 4357-4371.	1.2	10
138	Reviewâ€"Organic-Inorganic Hybrid Functional Materials: An Integrated Platform for Applied Technologies. Journal of the Electrochemical Society, 2018, 165, B3137-B3156.	1.3	282
139	Special issue on 4th International Conference on Smart Systems Engineering (SmaSys 2016). Microsystem Technologies, 2018, 24, 595-595.	1.2	0
140	Carbon fiber doped thermosetting elastomer for flexible sensors: physical properties and microfabrication. Scientific Reports, 2018, 8, 12313.	1.6	30
141	High Voltage Flexible ZnO Solar Cells Employing Bulky Organic Dye and [Co(bpy)₃]^{2+/3+}Redox Electrolyte. Journal of the Electrochemical Society, 2018, 165, B3194-B3200.	1.3	2
142	Development of high-strength gel dosimeter made by 3D gel printer. , 2018, , .		0
143	Development of double network gel ring and evaluation of friction properties. , 2018, , .		0
144	Development of multi-material 3D printer. , 2018, , .		0

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145	3D printing of foods. , 2018, , .		0
146	Ionic liquid in 3D printing (Conference Presentation). , 2018, , .		0
147	Carbon nanoparticle doped micro-patternable nano-composites for wearable sensing applications (Conference Presentation). , 2017, , .		0
148	Poly ionic liquid-based nano composites for smart electro-mechanical devices. Proceedings of SPIE, 2017, , .	0.8	0
149	Prefaceâ€"JES Focus Issue on Biosensors and Micro-Nano Fabricated Electromechanical Systems. Journal of the Electrochemical Society, 2017, 164, Y5-Y5.	1.3	3
150	Special Issue on 3rd International Conference on Smart Systems Engineering (SmaSys 2015). Microsystem Technologies, 2017, 23, 1131-1131.	1.2	0
151	3D printing in social education: Eki-Fab and student PBL. , 2017, , .		0
152	Development of low-cost open source 3D gel printer "RepRap SWIM-ER". , 2017, , .		0
153	A New Low-Temperature Electrochemical Hydrocarbon and NOx Sensor. Sensors, 2017, 17, 2759.	2.1	11
154	Development of high-strength gel dosimeter made by 3D gel printer. The Proceedings of Mechanical Engineering Congress Japan, 2017, 2017, J0470304.	0.0	0
155	Special Issue on 2nd International Conference on Smart Systems Engineering (SmaSys 2014). Microsystem Technologies, 2016, 22, 1-1.	1.2	30
156	Microfabrication and characterization of UV micropatternable, electrically conducting polyaniline photoresist blends for MEMS applications. Microsystem Technologies, 2016, 22, 371-378.	1.2	4
157	Micro-Nano Systems in Health Care and Environmental Monitoring. ECS Journal of Solid State Science and Technology, 2015, 4, Y9-Y9.	0.9	0
158	Manufacturing of high aspect-ratio 3-dimensional PolyFerroCNT nanocomposite polymer electrodes. Microsystem Technologies, 2015, 21, 1619-1625.	1.2	8
159	Electrically Conducting PDMS Nanocomposite Using In Situ Reduction of Gold Nanostructures and Mechanical Stimulation of Carbon Nanotubes and Silver Nanoparticles. ECS Journal of Solid State Science and Technology, 2015, 4, S3048-S3052.	0.9	13
160	AC electrical characterisation and insight to charge transfer mechanisms in DNA molecular wires through temperature and UV effects. IET Nanobiotechnology, 2015, 9, 153-163.	1.9	5
161	Electrical impedance, electrochemistry, mechanical stiffness, and hardness tunability in glassy carbon MEMS Î¼ECoG electrodes. Microelectronic Engineering, 2015, 133, 36-44.	1.1	34
162	Fabrication of NdFeB-based permanent rare-earth micromagnets by novel hybrid micromolding process. Microsystem Technologies, 2015, 21, 2315-2320.	1.2	5

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163	Coriolis force for facilitating DNA molecular migration and hybridization in compact disk microfluidic platforms. Microsystem Technologies, 2015, 21, 719-732.	1.2	4
164	Screen printable flexible conductive nanocomposite polymer with applications to wearable sensors. Proceedings of SPIE, 2014, , .	0.8	5
165	Bionanoelectronics Platform with DNA Molecular Wires Attached to High Aspect-Ratio 3D Metal Microelectrodes. ECS Journal of Solid State Science and Technology, 2014, 3, Q29-Q36.	0.9	14
166	A new low-cost, thick-film metallization transfer process onto PDMS using a sacrificial copper seed. , 2014, , .		2
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