

Jing-Jong Shyue

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#	Paper	IF	Citations
166	Solution-Derived ZnO Nanowire Array Film as Photoelectrode in Dye-Sensitized Solar Cells. <i>Crystal Growth and Design</i> , 2007 , 7, 2467-2471	3.5	137
165	A new and facile method to prepare uniform hollow MnO/functionalized mSiO ₂ core/shell nanocomposites. <i>ACS Nano</i> , 2011 , 5, 4177-87	16.7	119
164	Acid-base properties and zeta potentials of self-assembled monolayers obtained via in situ transformations. <i>Langmuir</i> , 2004 , 20, 8693-8	4	119
163	High-efficiency blue organic light-emitting diodes using a 3,5-di(9H-carbazol-9-yl)tetraphenylsilane host via a solution-process. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8411		109
162	Efficient inverted solar cells using TiO ₂ (2) nanotube arrays. <i>Nanotechnology</i> , 2008 , 19, 255202	3.4	105
161	Stable and High-Performance Flexible ZnO Thin-Film Transistors by Atomic Layer Deposition. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22610-7	9.5	103
160	Solution-processed zinc oxide nanoparticles as interlayer materials for inverted organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 108, 156-163	6.4	81
159	High-Safety and High-Energy-Density Lithium Metal Batteries in a Novel Ionic-Liquid Electrolyte. <i>Advanced Materials</i> , 2020 , 32, e2001741	24	81
158	Solution-Processable, High-Molecule-Based Trifluoromethyl-Iridium Complex for Extraordinarily High Efficiency Blue-Green Organic Light-Emitting Diode. <i>Chemistry of Materials</i> , 2009 , 21, 2565-2567	9.6	65
157	Depth profiling of organic films with X-ray photoelectron spectroscopy using C60+ and Ar+ co-sputtering. <i>Analytical Chemistry</i> , 2008 , 80, 3412-5	7.8	61
156	Highly Efficient Yellow Organic Light Emitting Diode with a Novel Wet- and Dry-Process Feasible Iridium Complex Emitter. <i>Advanced Functional Materials</i> , 2014 , 24, 555-562	15.6	60
155	Highly efficient ultra-deep blue organic light-emitting diodes with a wet- and dry-process feasible cyanofluorene acetylene based emitter. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2182-2194	7.1	56
154	Tuning the surface potential of gold substrates arbitrarily with self-assembled monolayers with mixed functional groups. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 6199-204	3.6	54
153	2D self-bundled CdS nanorods with micrometer dimension in the absence of an external directing process. <i>ACS Nano</i> , 2008 , 2, 750-6	16.7	54
152	Excitation-dependent visible fluorescence in decameric nanoparticles with monoacylglycerol cluster chromophores. <i>Nature Communications</i> , 2013 , 4, 1544	17.4	52
151	Spontaneous generation of highly emissive RGB organic nanospheres. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7032-6	16.4	52
150	Effect of Surface Potential on NIH3T3 Cell Adhesion and Proliferation. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 14464-14470	3.8	51

149	Facile synthesis of wurtzite copperzinc sulfide nanocrystals from plasmonic djurleite nuclei. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 337-341	13	51
148	Template-based fabrication of SrTiO ₃ and BaTiO ₃ nanotubes. <i>Inorganic Chemistry</i> , 2009 , 48, 681-6	5.1	51
147	Surfactant-Directed Synthesis of Ternary Nanostructures: Nanocubes, Polyhedrons, Octahedrons, and Nanowires of PtNiFe. Their Shape-Dependent Oxygen Reduction Activity. <i>Chemistry of Materials</i> , 2012 , 24, 2527-2533	9.6	48
146	Tailoring the surface potential of gold nanoparticles with self-assembled monolayers with mixed functional groups. <i>Journal of Colloid and Interface Science</i> , 2009 , 340, 126-30	9.3	47
145	Tri-iodide Reduction Activity of Shape- and Composition-Controlled PtFe Nanostructures as Counter Electrodes in Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2016 , 28, 2110-2119	9.6	46
144	X-ray photoelectron spectrometry depth profiling of organic thin films using C60 sputtering. <i>Analytical Chemistry</i> , 2008 , 80, 501-5	7.8	46
143	PtCoFe Nanowire Cathodes Boost Short-Circuit Currents of Ru(II)-Based Dye-Sensitized Solar Cells to a Power Conversion Efficiency of 12.29%. <i>Advanced Functional Materials</i> , 2018 , 28, 1703282	15.6	45
142	Highly efficient blue organic light-emitting diode with an oligomeric host having high triplet-energy and high electron mobility. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9546		45
141	Improving nanowire sensing capability by electrical field alignment of surface probing molecules. <i>Nano Letters</i> , 2013 , 13, 2564-9	11.5	44
140	Nanodot-Enhanced High-Efficiency Pure-White Organic Light-Emitting Diodes with Mixed-Host Structures. <i>Advanced Functional Materials</i> , 2008 , 18, 121-126	15.6	44
139	Effect of fabrication parameters on three-dimensional nanostructures of bulk heterojunctions imaged by high-resolution scanning ToF-SIMS. <i>ACS Nano</i> , 2010 , 4, 833-40	16.7	43
138	Continuous synthesis of colloidal silver nanoparticles by electrochemical discharge in aqueous solutions. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 1865-1872	2.3	42
137	A Versatile Theranostic Delivery Platform Integrating Magnetic Resonance Imaging/Computed Tomography, pH/cis-Diol Controlled Release, and Targeted Therapy. <i>ACS Nano</i> , 2016 , 10, 5809-22	16.7	42
136	Diketopyrrolopyrrole-based oligomer modified TiO ₂ nanorods for air-stable and all solution processed poly(3-hexylthiophene):TiO ₂ bulk heterojunction inverted solar cell. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10589		39
135	Highly efficient orange-red phosphorescent organic light-emitting diode using 2,7-bis(carbazol-9-yl)-9,9-ditolyfluorene as the host. <i>Applied Physics Letters</i> , 2010 , 96, 143306	3.4	39
134	Developing antifouling biointerfaces based on bioinspired zwitterionic dopamine through pH-modulated assembly. <i>Langmuir</i> , 2014 , 30, 12638-46	4	38
133	Small polymeric nano-dot enhanced pure-white organic light-emitting diode. <i>Organic Electronics</i> , 2008 , 9, 291-295	3.5	38
132	Single-step preparation of mesoporous, anatase-based titanium-vanadium oxide and its application. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12736-42	16.4	37

131	High-Efficiency Wet- and Dry-Processed Green Organic Light Emitting Diodes with a Novel Iridium Complex-Based Emitter. <i>Advanced Optical Materials</i> , 2013 , 1, 657-667	8.1	36
130	Migration of small molecules during the degradation of organic light-emitting diodes. <i>Organic Electronics</i> , 2009 , 10, 581-586	3.5	36
129	Template-based, near-ambient synthesis of crystalline metal-oxide nanotubes, nanowires and coaxial nanotubes. <i>Acta Materialia</i> , 2007 , 55, 3007-3014	8.4	36
128	Fast growth of large-grain and continuous MoS films through a self-capping vapor-liquid-solid method. <i>Nature Communications</i> , 2020 , 11, 3682	17.4	36
127	Improved Solar-Driven Photocatalytic Performance of Highly Crystalline Hydrogenated TiO Nanofibers with Core-Shell Structure. <i>Scientific Reports</i> , 2017 , 7, 40896	4.9	34
126	Surfactant- and temperature-controlled CdS nanowire formation. <i>Small</i> , 2007 , 3, 1882-5	11	34
125	Highly active oxygen evolution integrated with efficient CO to CO electroreduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23915-23922	11.5	33
124	Effect of surface chemical composition on the surface potential and iso-electric point of silicon substrates modified with self-assembled monolayers. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 3649-3653	3.6	32
123	Photooxidation of Amine-Terminated Self-Assembled Monolayers on Gold. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 10512-10519	3.8	31
122	Effect of surface potential on extracellular matrix protein adsorption. <i>Langmuir</i> , 2014 , 30, 10328-35	4	30
121	Poly(3,4-ethylenedioxythiophene)-Based Nanofiber Mats as an Organic Bioelectronic Platform for Programming Multiple Capture/Release Cycles of Circulating Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30329-30342	9.5	30
120	Transparent conductive gas-permeation barriers on plastics by atomic layer deposition. <i>Advanced Materials</i> , 2013 , 25, 1750-4	24	29
119	Extraordinarily high efficiency improvement for OLEDs with high surface-charge polymeric nanodots. <i>ACS Nano</i> , 2010 , 4, 4054-60	16.7	29
118	Effect of fabrication process on the microstructure and the efficiency of organic light-emitting diode. <i>Organic Electronics</i> , 2009 , 10, 459-464	3.5	29
117	Sputter-induced chemical transformation in oxoanions by combination of C(60)(+) and Ar(+) ion beams analyzed with X-ray photoelectron spectrometry. <i>Analyst, The</i> , 2009 , 134, 945-51	5	29
116	Depth-dependent defect manipulation in perovskites for high-performance solar cells. <i>Energy and Environmental Science</i> ,	35.4	29
115	Effect of surface potential on epithelial cell adhesion, proliferation and morphology. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 141, 179-186	6	28
114	Individually addressable crystalline conducting polymer nanowires in a microelectrode sensor array. <i>Nanotechnology</i> , 2007 , 18, 424021	3.4	27

113	Local electronic structures and electrical characteristics of well-controlled nitrogen-doped ZnO thin films prepared by remote plasma in situ atomic layer doping. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 3471-5	9.5	26
112	Highly efficient green organic light emitting diode with a novel solution processable iridium complex emitter. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4201	7.1	26
111	Site-Selective Deposition of Gold on Photo-Patterned Self-Assembled Monolayers. <i>Chemistry of Materials</i> , 2008 , 20, 6606-6610	9.6	26
110	Transparent-conducting, gas-sensing nanostructures (nanotubes, nanowires, and thin films) of titanium oxide synthesized at near-ambient conditions. <i>Journal of Materials Research</i> , 2006 , 21, 2894-2903	3.5	26
109	3D In Situ ToF-SIMS Imaging of Perovskite Films under Controlled Humidity Environmental Conditions. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1600673	4.6	25
108	Atomic layer deposition of NiO hole-transporting layers for polymer solar cells. <i>Nanotechnology</i> , 2015 , 26, 385201	3.4	25
107	Covalent chemistry on nanostructured substrates enables noninvasive quantification of gene rearrangements in circulating tumor cells. <i>Science Advances</i> , 2019 , 5, eaav9186	14.3	25
106	The use of a polarity matching and high-energy exciton generating host in fabricating efficient purplish-blue OLEDs from a sky-blue emitter. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15500		25
105	Effect of surface chemical composition on the work function of silicon substrates modified by binary self-assembled monolayers. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 15122-6	3.6	24
104	Ag@Au nanoprism-metal organic framework-based paper for extending the glucose sensing range in human serum and urine. <i>Dalton Transactions</i> , 2017 , 46, 6985-6993	4.3	23
103	Improving the electron mobility of TiO ₂ nanorods for enhanced efficiency of a polymer/nanoparticle solar cell. <i>CrystEngComm</i> , 2012 , 14, 4772	3.3	23
102	Stable p-type ZnO films grown by atomic layer deposition on GaAs substrates and treated by post-deposition rapid thermal annealing. <i>Thin Solid Films</i> , 2011 , 519, 5558-5561	2.2	22
101	Morphological and Crystallographic Transformation of ZnO in Solution. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 1498-1506	3.8	22
100	Effect of the chemical composition on the work function of gold substrates modified by binary self-assembled monolayers. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 4335-9	3.6	21
99	Three-dimensional nanoscale imaging of polymer bulk-heterojunction by scanning electrical potential microscopy and C ₆₀ (+) cluster ion slicing. <i>Analytical Chemistry</i> , 2009 , 81, 8936-41	7.8	21
98	Effect of Surface Potential on the Adhesion Behavior of NIH3T3 Cells Revealed by Quartz Crystal Microbalance with Dissipation Monitoring (QCM-D). <i>Journal of Physical Chemistry C</i> , 2017 , 121, 533-541	3.8	20
97	Corrosion Behavior of High Nitrogen Nickel-Free Fe-16Cr-Mn-Mo-N Stainless Steels. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2014 , 45, 381-391	2.5	20
96	Effect of fabrication parameters on three-dimensional nanostructures and device efficiency of polymer light-emitting diodes. <i>ACS Nano</i> , 2010 , 4, 2547-54	16.7	20

95	Solution-Process-Feasible Deep-Red Phosphorescent Emitter. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 18794-18802	3.8	20
94	Random and aligned electrospun PLGA nanofibers embedded in microfluidic chips for cancer cell isolation and integration with air foam technology for cell release. <i>Journal of Nanobiotechnology</i> , 2019 , 17, 31	9.4	20
93	Influence of as on the Morphologies and Optical Characteristics of GaSb/GaAs Quantum Dots. <i>IEEE Journal of Quantum Electronics</i> , 2011 , 47, 335-339	2	19
92	The Influence of Channel Compositions on the Electrical Properties of Solution-Processed Indium-Zinc Oxide Thin-Film Transistors. <i>Journal of Display Technology</i> , 2009 , 5, 509-514		19
91	Deposition of Titanium/Vanadium Oxide Thin Films on Organic Self-Assembled Monolayers: Role of Complexing Agents. <i>Chemistry of Materials</i> , 2005 , 17, 5550-5557	9.6	19
90	Sputter damage in Si (001) surface by combination of C60+ and Ar+ ion beams. <i>Applied Surface Science</i> , 2008 , 255, 2490-2493	6.7	18
89	Electron Field Emission of Geometrically Modulated Monolayer Semiconductors. <i>Advanced Functional Materials</i> , 2018 , 28, 1706113	15.6	17
88	Deposition of Vanadium(V) Oxide Thin Films on Nitrogen-Containing Self-Assembled Monolayers. <i>Chemistry of Materials</i> , 2005 , 17, 787-794	9.6	17
87	Nanoscale GaN Epilayer Grown by Atomic Layer Annealing and Epitaxy at Low Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 487-495	8.3	17
86	Manipulating the nanostructure of organogels generated from molecules with a 3-dimensional truxene core. <i>Chemical Communications</i> , 2012 , 48, 3515-7	5.8	15
85	Template-Directed, Near-Ambient Synthesis of Au/TiO ₂ /Au Heterojunction Nanowires Mediated by Self-Assembled Monolayers (SAMs). <i>Materials Letters</i> , 2007 , 61, 182-185	3.3	15
84	High-efficiency low color temperature organic light emitting diodes with solution-processed emissive layer. <i>Organic Electronics</i> , 2012 , 13, 899-904	3.5	14
83	Parallel detection, quantification, and depth profiling of peptides with dynamic-secondary ion mass spectrometry (D-SIMS) ionized by C60(+)-Ar(+) co-sputtering. <i>Analytica Chimica Acta</i> , 2012 , 718, 64-9	6.6	14
82	Molecular dynamic-secondary ion mass spectrometry (D-SIMS) ionized by co-sputtering with C60+ and Ar+. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 2897-904	2.2	14
81	Slow Passivation and Inverted Hysteresis for Hybrid Tin Perovskite Solar Cells Attaining 13.5% via Sequential Deposition. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 10106-10111	6.4	14
80	Work-Function-Tunable Electron Transport Layer of Molecule-Capped Metal Oxide for a High-Efficiency and Stable p-i-n Perovskite Solar Cell. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45936-45949	9.5	14
79	High efficiency yellow organic light-emitting diodes with a solution-process feasible iridium based emitter. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5478-5486	7.1	13
78	Hierarchical β and α porous heterojunction in planar β perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10526-10535	13	13

77	Ultraviolet electroluminescence from nitrogen-doped ZnO-based heterojunction light-emitting diodes prepared by remote plasma in situ atomic layer-doping technique. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 227-32	9.5	13
76	In situ reversible conversion of porphyrin aggregate morphology. <i>Chemical Communications</i> , 2012 , 48, 8051-3	5.8	13
75	Mesoporous Silica Promoted Deposition of Bioinspired Polydopamine onto Contrast Agent: A Universal Strategy to Achieve Both Biocompatibility and Multiple Scale Molecular Imaging. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1600415	3.1	12
74	Exploitation of a spontaneous spatial charge separation effect in plasmonic polyhedral α -Fe ₂ O ₃ nanocrystal photoelectrodes for hydrogen production. <i>Nano Energy</i> , 2016 , 30, 523-530	17.1	12
73	Catalytic metal-induced crystallization of sol-gel metal oxides for high-efficiency flexible perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16450-16457	13	12
72	ToF-SIMS imaging of the nanoscale phase separation in polymeric light emitting diodes: effect of nanostructure on device efficiency. <i>Analyst, The</i> , 2011 , 136, 716-23	5	12
71	Molecular migration behaviors in organic light-emitting diodes with different host structures. <i>Organic Electronics</i> , 2011 , 12, 376-382	3.5	12
70	Forces between nitrogen-containing self-assembled monolayers (SAMs) and zirconia particles in aqueous solutions. <i>Journal of Materials Chemistry</i> , 2005 , 15, 323		12
69	Enhancing performance of P3HT:TiO ₂ solar cells using doped and surface modified TiO ₂ nanorods. <i>Journal of Colloid and Interface Science</i> , 2015 , 448, 315-9	9.3	11
68	Validated Analysis of Component Distribution Inside Perovskite Solar Cells and Its Utility in Unveiling Factors of Device Performance and Degradation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22730-22740	9.5	11
67	Chemical Polishing of Perovskite Surface Enhances Photovoltaic Performances.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	11
66	Facile Solution Dropping Method: A Green Process for Dyeing TiO ₂ Electrodes of Dye-Sensitized Solar Cells with Enhanced Power Conversion Efficiency. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 71-81	8.3	10
65	Effects of the temperature and beam parameters on depth profiles in X-ray photoelectron spectrometry and secondary ion mass spectrometry under C60(+)-Ar(+) cosputtering. <i>Analytica Chimica Acta</i> , 2014 , 852, 129-36	6.6	10
64	Construction of titania/beria nanostructured composites with tailored heterojunction for photocurrent enhancement. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 1523-1535	6	10
63	Light- and solvent-driven morphological transformations of self-assembled hydrogen-bonded nanostructures. <i>Chemical Communications</i> , 2013 , 49, 11536-8	5.8	10
62	Construction of Schottky junction solar cell using silicon nanowires and multi-layered graphene. <i>Superlattices and Microstructures</i> , 2019 , 126, 42-48	2.8	10
61	A wet and dry processable phosphorescent green dye based organic light-emitting diodes. <i>Dyes and Pigments</i> , 2015 , 113, 341-350	4.6	9
60	Adsorption behavior of plasmid DNA on binary self-assembled monolayers modified gold substrates. <i>Journal of Colloid and Interface Science</i> , 2012 , 382, 97-104	9.3	9

59	Plausible degradation mechanisms in organic light-emitting diodes. <i>Organic Electronics</i> , 2019 , 67, 222-233.	5	8
58	The role of the auxiliary atomic ion beam in C60(+)-Ar+ co-sputtering. <i>Analyst, The</i> , 2011 , 136, 941-6	5	8
57	Superior Stability and Emission Quantum Yield (23% ± 3%) of Single-Layer 2D Tin Perovskite TEA SnI via Thiocyanate Passivation. <i>Small</i> , 2020 , 16, e2000903	11	8
56	Robust Unencapsulated Perovskite Solar Cells Protected by a Fluorinated Fullerene Electron Transporting Layer. <i>ACS Energy Letters</i> , 2021 , 6, 3376-3385	20.1	8
55	Demonstration of enhanced carrier transport, charge separation, and long-term stability for photocatalytic water splitting by a rapid hot pressing process. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10687-10695	13	7
54	Mechanical properties and microstructure of Zr-Ti-Ni thin film metallic glasses modified with minor SF6. <i>Composites Part B: Engineering</i> , 2017 , 129, 243-250	10	7
53	Enhancing the sensitivity of molecular secondary ion mass spectrometry with C60+-O2+ cosputtering. <i>Analytical Chemistry</i> , 2013 , 85, 3781-8	7.8	7
52	Engineering Antifouling and Antibacterial Stainless Steel for Orthodontic Appliances through Layer-by-Layer Deposition of Nanocomposite Coatings.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 486-494	4.1	7
51	Improvement of the gas cluster ion beam-(GCIB)-based molecular secondary ion mass spectroscopy (SIMS) depth profile with O2(+) cosputtering. <i>Analyst, The</i> , 2016 , 141, 2523-33	5	7
50	Enhancing the Catalytic Activity of Tri-iodide Reduction by Tuning the Surface Electronic Structure of PtPd Alloy Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019 ,	3.8	6
49	Interpenetration of CHNHPbI and TiO improves perovskite solar cells while TiO expansion leads to degradation. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 21407-21413	3.6	6
48	Organic light-emitting diodes with direct contact-printed red, green, blue, and white light-emitting layers. <i>Applied Physics Letters</i> , 2012 , 101, 153304	3.4	6
47	Effect of cosputtering and sample rotation on improving C60(+) depth profiling of materials. <i>Analytical Chemistry</i> , 2012 , 84, 9318-23	7.8	6
46	Polyol synthesis of polycrystalline cuprous oxide nanoribbons and their growth chemistry. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 669-682	2.3	6
45	Emissive nanotubes from templated self-assembly of small molecules. <i>Chemical Physics Letters</i> , 2017 , 683, 43-48	2.5	5
44	Acetamidinium Cation to Confer Ion Immobilization and Structure Stabilization of Organometal Halide Perovskite Toward Long Life and High-Efficiency p-i-n Planar Solar Cell via Air-Processable Method. <i>Solar Rrl</i> , 2020 , 4, 2000197	7.1	5
43	Fabricating copper and copper/nickel alloy single crystal bead electrodes with a hydrogen-oxygen torch in ambient air. <i>Electrochemistry Communications</i> , 2019 , 109, 106563	5.1	5
42	Rapid label-free determination of ketamine in whole blood using secondary ion mass spectrometry. <i>Talanta</i> , 2015 , 143, 50-55	6.2	5

41	Dramatically enhanced oxygen uptake and ionization yield of positive secondary ions with C60+ sputtering. <i>Analytical Chemistry</i> , 2012 , 84, 3355-61	7.8	5
40	Enhanced thermoelectric properties of atomic-layer-deposited Hf:Zn16O/18O superlattice films by interface-engineering. <i>Ceramics International</i> , 2020 , 46, 7122-7130	5.1	5
39	In situ unraveling of the effect of the dynamic chemical state on selective CO reduction upon zinc electrocatalysts. <i>Nanoscale</i> , 2020 , 12, 18013-18021	7.7	5
38	Chloride gradient render carrier extraction of hole transport layer for high Voc and efficient inverted organometal halide perovskite solar cell. <i>Chemical Engineering Journal</i> , 2021 , 409, 128100	14.7	5
37	Suppression of GeO interfacial layer and enhancement of the electrical performance of the high-gate stack by the atomic-layer-deposited AlN buffer layer on Ge metal-oxide-semiconductor devices.. <i>RSC Advances</i> , 2019 , 9, 592-598	3.7	4
36	Integration of paper-based microarray and time-of-flight secondary ion mass spectrometry (ToF-SIMS) for parallel detection and quantification of molecules in multiple samples automatically. <i>Analytica Chimica Acta</i> , 2018 , 1005, 61-69	6.6	4
35	Template-assisted in situ polymerization for forming blue organic light-emitting nanotubes. <i>Chemical Communications</i> , 2014 , 50, 8208-10	5.8	4
34	Enhanced photochromism of chromen-based colorants near silver nanorods in sol-gel matrix. <i>CrystEngComm</i> , 2013 , 15, 5969	3.3	4
33	Supramolecular control of electronic properties in aromatic materials. <i>Pure and Applied Chemistry</i> , 2014 , 86, 471-481	2.1	4
32	Binary self-assembled monolayers modified Au nanoparticles as carriers in biological applications. <i>Biointerphases</i> , 2014 , 9, 041005	1.8	4
31	P-type Conductivity of MgZnO:(N:Ga) Thin Films Prepared by Remote Plasma In-Situ Atomic Layer Doping. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, R249-R253	2	4
30	Growth process control produces high-crystallinity and complete-reaction perovskite solar cells.. <i>RSC Advances</i> , 2020 , 10, 35898-35905	3.7	4
29	Perfluorinated ionomer and poly(3,4-ethylenedioxythiophene) colloid as a hole transporting layer for optoelectronic devices. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 17967-17977	13	4
28	DFT mechanistic study of the selective terminal C β activation of n-pentane with a tungsten allyl nitrosyl complex. <i>Journal of Saudi Chemical Society</i> , 2017 , 21, 558-562	4.3	3
27	Effect of energy per atom (E/n) on the Ar gas cluster ion beam (Ar-GCIB) and O cosputter process. <i>Analyst, The</i> , 2019 , 144, 3323-3333	5	3
26	Assessment of the Effects of Surface Potential on the Kinetics of HEK293T Cell Adhesion Behavior Using a Quartz Crystal Microbalance with Dissipation Monitoring. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 694-704	3.8	3
25	Silver nanoprism-based paper as a ratiometric sensor for extending biothiols detection in serum. <i>New Journal of Chemistry</i> , 2017 , 41, 15120-15126	3.6	3
24	Atomic Layer Nucleation Engineering: Inhibitor-Free Area-Selective Atomic Layer Deposition of Oxide and Nitride. <i>Chemistry of Materials</i> , 2021 , 33, 5584-5590	9.6	3

23	Coupling Lipid Labeling and Click Chemistry Enables Isolation of Extracellular Vesicles for Noninvasive Detection of Oncogenic Gene Alterations.. <i>Advanced Science</i> , 2022 , e2105853	13.6	3
22	Atomic Layer Densification of AlN Passivation Layer on Epitaxial Ge for Enhancement of Reliability and Electrical Performance of High-K Gate Stacks. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 891-897	4	2
21	BiFeO ₃ /YSZ bilayer electrolyte for low temperature solid oxide fuel cell. <i>RSC Advances</i> , 2014 , 4, 19925-19931	19.9	2
20	Tunable Optical and Structural Properties of Mg _x Zn _{1-x} O Films Prepared by In Situ Atomic Layer Doping Technique. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, P31-P35	2	2
19	Perfluoro-Functionalized Conducting Polymers Enhance Electrocatalytic Oxygen Reduction. <i>ACS Applied Energy Materials</i> , 2020 , 3, 1171-1180	6.1	2
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15	Electron tomography of HEK293T cells using scanning electron microscope-based scanning transmission electron microscopy. <i>Microscopy and Microanalysis</i> , 2012 , 18, 1037-42	0.5	1
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