Tsukasa Yoshida

List of Publications by Citations

185 papers	5,333 citations	41 h-index	69 g-index
268 ext. papers	5,581 ext. citations	3.5 avg, IF	5.29 L-index

#	Paper	IF	Citations
185	Electrodeposition of Inorganic/Organic Hybrid Thin Films. *Advanced Functional Materials*, **2009**, 19, 17-43	15.6	296
184	Room-Temperature Synthesis of Porous Nanoparticulate TiO2 Films for Flexible Dye-Sensitized Solar Cells. *Advanced Functional Materials*, **2006**, 16, 1228-1234	15.6	228
183	Low-Temperature Fabrication of Efficient Porous Titania Photoelectrodes by Hydrothermal Crystallization at the Solid/Gas Interface. *Advanced Materials*, **2003**, 15, 814-817	24	203
182	Electrochemical Self-Assembly of Nanoporous ZnO/Eosin Y Thin Films and Their Sensitized Photoelectrochemical Performance. *Advanced Materials*, **2000**, 12, 1214-1217	24	201
181	Cathodic electrodeposition of oxide semiconductor thin films and their application to dye-sensitized solar cells. *Solid State Ionics*, **2002**, 151, 19-27	3.3	200
180	Mechanism of cathodic electrodeposition of zinc oxide thin films from aqueous zinc nitrate baths. *Thin Solid Films*, **2004**, 451-452, 166-169	2.2	192
179	Self-Assembly of Zinc Oxide Thin Films Modified with Tetrasulfonated Metallophthalocyanines by One-Step Electrodeposition. *Chemistry of Materials*, **1999**, 11, 2657-2667	9.6	190
178	Electron Transport and Back Reaction in Nanocrystalline TiO2 Films Prepared by Hydrothermal Crystallization. *Journal of Physical Chemistry B*, **2004**, 108, 2227-2235	3.4	184
177	Improved photoelectrochemical performance of electrodeposited ZnO/EosinY hybrid thin films by dye re-adsorption. *Chemical Communications*, **2004**, 400-1	5.8	137
176	Cathodic Electrodeposition of ZnO/Eosin Y Hybrid Thin Films from Oxygen-Saturated Aqueous Solution of ZnCl[sub 2] and Eosin Y. *Journal of the Electrochemical Society*, **2003**, 150, C608	3.9	113
175	Selective electroacatalysis for CO2 reduction in the aqueous phase using cobalt phthalocyanine/poly-4-vinylpyridine modified electrodes. *Journal of Electroanalytical Chemistry*, **1995**, 385, 209-225	4.1	111
174	Novel thiophene-conjugated indoline dyes for zinc oxide solar cells. *New Journal of Chemistry*, **2009** , 33, 93-101	3.6	101
173	Factors affecting selective electrocatalytic co2 reduction with cobalt phthalocyanine incorporated in a polyvinylpyridine membrane coated on a graphite electrode. *Journal of Electroanalytical Chemistry*, **1996**, 412, 125-132	4.1	100
172	Dye Sensitization of ZnO by Unsymmetrical Squaraine Dyes Suppressing Aggregation. *Chemistry Letters*, **2006**, 35, 666-667	1.7	99
171	Hydrothermal preparation of porous nano-crystalline TiO2 electrodes for flexible solar cells. *Journal of Photochemistry and Photobiology A: Chemistry*, **2004**, 164, 159-166	4.7	98
170	Mg-doped TiO2 nanorods improving open-circuit voltages of ammonium lead halide perovskite solar cells. *RSC Advances*, **2014**, 4, 9652-9655	3.7	86
169	Electron Transport and Back Reaction in Electrochemically Self-Assembled Nanoporous ZnO/Dye Hybrid Films. *Journal of Physical Chemistry B*, **2004**, 108, 8364-8370	3.4	82

168	Cathodic Electrodeposition of ZnO/EosinY Hybrid Thin Films from Dye Added Zinc Nitrate Bath and Their Photoelectrochemical Characterizations. *Electrochemistry*, **2002**, 70, 470-487	1.2	80
167	Electrocatalytic reduction of CO2 in water by [Re(bpy)(CO)3Br] and [Re(terpy)(CO)3Br] complexes incorporated into coated nafion membrane (bpy = 2,2?-bipyridine; terpy = 2,2?;6?,2?-terpyridine). *Journal of the Chemical Society Chemical Communications*, **1993**, 631-633		71
166	Photoelectrochemical sensitisation of ZnO□etrasulfophthalocyaninatozinc composites prepared by electrochemical self-assembly. *Journal of Electroanalytical Chemistry*, **2000**, 481, 42-51	4.1	69
165	The use of indoline dyes in a zinc oxide dye-sensitized solar cell. *Dyes and Pigments*, **2009**, 80, 233-238	4.6	63
164	Mechanistic Study of Chemical Deposition of ZnS Thin Films from Aqueous Solutions Containing Zinc Acetate and Thioacetamide by Comparison with Homogeneous Precipitation. *Journal of Physical Chemistry B*, **2003**, 107, 387-397	3.4	61
163	Organic dyes containing fluorene-substituted indoline core for zinc oxide dye-sensitized solar cell. *RSC Advances*, **2012**, 2, 2721	3.7	59
162	Synthesis of a novel heptamethine□yanine dye for use in near-infrared active dye-sensitized solar cells with porous zinc oxide prepared at low temperature. *Energy and Environmental Science*, **2011**, 4, 2186	35.4	59
161	Application of near-infrared absorbing heptamethine cyanine dyes as sensitizers for zinc oxide solar cell. *Synthetic Metals*, **2005**, 148, 147-153	3.6	56
160	Design of NIR-absorbing simple asymmetric squaraine dyes carrying indoline moieties for use in dye-sensitized solar cells with Pt-free electrodes. *Organic Letters*, **2012**, 14, 1246-9	6.2	55
159	Electrochemical Growth of Epitaxial Eosin/ZnO Hybrid Films. *Journal of Physical Chemistry B*, **2003**, 107, 10077-10082	3.4	53
158	Low Temperature Synthesis of Porous Nanocrystalline TiO2Thick Film for Dye-Sensitized Solar Cells by Hydrothermal Crystallization. *Chemistry Letters*, **2002**, 31, 874-875	1.7	53
157	Electrochemical reduction of substituted cobalt phthalocyanines adsorbed on graphite. *Journal of Electroanalytical Chemistry*, **1998**, 441, 139-146	4.1	52
156	Aggregation of indoline dyes as sensitizers for ZnO solar cells. *Journal of Photochemistry and Photobiology A: Chemistry*, **2010**, 216, 1-7	4.7	48
155	Electrocatalytic CO2 reduction by cobalt octabutoxyphthalocyanine coated on graphite electrode. *Journal of Molecular Catalysis A*, **1996**, 112, 55-61		48
154	Highly efficient new indoline dye having strong electron-withdrawing group for zinc oxide dye-sensitized solar cell. *Tetrahedron*, **2011**, 67, 6289-6293	2.4	47
153	Electrocatalytic reduction of carbon dioxide in aqueous medium by bis(2,2?: 6?,2?-terpyridine)cobalt(II) complex incorporated into a coated polymer membrane. *Journal of Electroanalytical Chemistry*, **1993**, 344, 355-362	4.1	47
152	Microwave synthesis of size-controllable SnO2 nanocrystals for dye-sensitized solar cells. *New Journal of Chemistry*, **2014**, 38, 598	3.6	46
151	Electrodeposition of ZnO/Dye Hybrid Thin Films for Dye-Sensitized Solar Cells. *Electrochemistry*, **2008**, 76, 109-117	1.2	46

150	Mechanistic study of the electrodeposition of nanoporous self-assembled ZnO/Eosin Y hybrid thin films: effect of eosin concentration. *Langmuir*, **2006**, 22, 10545-53	4	46
149	Photoelectrochemical properties of ZnO/tetrasulfophthalocyanine hybrid thin films prepared by electrochemical self-assembly. *Physical Chemistry Chemical Physics*, **2001**, 3, 3387-3392	3.6	46
148	A Novel Approach for CdS Thin-Film Deposition: Electrochemically Induced Atom-by-Atom Growth of CdS Thin Films from Acidic Chemical Bath. *Journal of Physical Chemistry B*, **1998**, 102, 9677-9686	3.4	45
147	Self Assembled Growth of Nano Particulate Porous ZnO Thin Film Modified by 2,9,16,23-Tetrasulfophthalocyanatozinc(II) by One-Step Electrodeposition. *Chemistry Letters*, **1998**, 27, 599-600	1.7	43
146	One-step electrodeposition of ZnO/eosin Y hybrid films from a hydrogen peroxide oxygen precursor. *Journal of Electroanalytical Chemistry*, **2002**, 534, 55-64	4.1	42
145	Substituent effects in a double rhodanine indoline dye on performance of zinc oxide dye-sensitized solar cell. *Dyes and Pigments*, **2010**, 86, 143-148	4.6	39
144	Comparison of performance between benzoindoline and indoline dyes in zinc oxide dye-sensitized solar cell. *Dyes and Pigments*, **2011**, 91, 145-152	4.6	36
143	Cathodic Electrodeposition of TiO2Thin Films for Dye-Sensitized Photoelectrochemical Applications. *Chemistry Letters*, **2001**, 30, 78-79	1.7	36
142	Flexible Ultraviolet Photodetectors Based on One-Dimensional Gallium-Doped Zinc Oxide Nanostructures. *ACS Applied Electronic Materials*, **2020**, 2, 3522-3529	4	35
141	Design and Synthesis of Near-infrared-active Heptamethinecyanine Dyes to Suppress Aggregation in a Dye-sensitized Porous Zinc Oxide Solar Cell. *Chemistry Letters*, **2008**, 37, 176-177	1.7	33
140	One-step electrochemical synthesis of ZnO/Ru(dcbpy)2(NCS)2 hybrid thin films and their photoelectrochemical properties. *Electrochimica Acta*, **2003**, 48, 3071-3078	6.7	33
139	Highly efficient substituted triple rhodanine indoline dyes in zinc oxide dye-sensitized solar cell. *Tetrahedron*, **2010**, 66, 7405-7410	2.4	32
138	Application of 9-substituted 3,4-perylenedicarboxylic anhydrides as sensitizers for zinc oxide solar cell. *Dyes and Pigments*, **2007**, 72, 303-307	4.6	31
137	Flexible zinc oxide solar cells sensitized by styryl dyes. *Dyes and Pigments*, **2008**, 77, 59-69	4.6	31
136	Formation of Highly Crystallized PbO Thin Films by Cathodic Electrodeposition of Pb and Its Rapid Oxidation in Air. *Advanced Functional Materials*, **2005**, 15, 297-301	15.6	30
135	Phthalocyanines and related macrocycles for multi-electron transfer in catalysis, photochemistry and photoelectrochemistry. *Polymers for Advanced Technologies*, **1995**, 6, 118-130	3.2	30
134	Application of semisquaric acids as sensitizers for zinc oxide solar cell. *Dyes and Pigments*, **2006**, 70, 48-53	4.6	29
133	Self-assembly of ZnO/riboflavin 5?-phosphate thin films by one-step electrodeposition and its characterization. *Thin Solid Films*, **2001**, 397, 63-69	2.2	29

132	Electrochemical Self-Assembly of ZnO/SO[sub 3]EtPTCDI Hybrid Photoelectrodes. *Journal of the Electrochemical Society*, **2004**, 151, C62	3.9	27
131	Electrochemical Self-Assembly of Nanostructured CuSCN/Rhodamine B Hybrid Thin Film and Its Dye-Sensitized Photocathodic Properties. *Journal of Physical Chemistry C*, **2014**, 118, 16581-16590	3.8	25
130	Improvement of Light Harvesting by Addition of a Long-Wavelength Absorber in Dye-Sensitized Solar Cells Based on ZnO and Indoline Dyes. *Journal of Physical Chemistry C*, **2015**, 119, 1298-1311	3.8	25
129	Spectroelectrochemical studies on redox reactions of eosin Y and its polymerization with Zn2+ ions. *Journal of Electroanalytical Chemistry*, **2011**, 662, 384-395	4.1	24
128	Structural and compositional analyses on indium sulfide thin films deposited in aqueous chemical bath containing indium chloride and thioacetamide. *Thin Solid Films*, **2003**, 431-432, 354-358	2.2	24
127	Size-controlled synthesis of anisotropic TiO2 single nanocrystals using microwave irradiation and their application for dye-sensitized solar cells. *Dalton Transactions*, **2013**, 42, 3295-9	4.3	23
126	Photoelectrochemical characterisation and optimisation of electrodeposited ZnO thin films sensitised by porphyrins and phthalocyanines. *Physical Chemistry Chemical Physics*, **2006**, 8, 3867-75	3.6	23
125	Using the Alkynyl-Substituted Rhenium(I) Complex (4,4?-Bisphenyl-Ethynyl-2,2?-Bipyridyl)Re(CO)3Cl as Catalyst for CO2 Reduction:Synthesis, Characterization, and Application. *Electrocatalysis*, **2015**, 6, 185-197	2.7	22
124	Capacitance and field-driven electron transport in electrochemically self-assembled nanoporous ZnO/dye hybrid films. *Journal of Physical Chemistry B*, **2005**, 109, 12560-6	3.4	22
123	Effect of anchoring groups on electrochemical self-assembly of ZnO/xanthene dye hybrid thin films. *Physical Chemistry Chemical Physics*, **2010**, 12, 10494-502	3.6	21
122	Cathodic electrodeposition of p-CuSCN nanorod and its dye-sensitized photocathodic property. *Physics Procedia*, **2011**, 14, 12-24		21
121	Highly Porous Electrodeposited Zinc Oxide Films Functionalized for Red/Green Luminescence. *Electrochemical and Solid-State Letters*, **2006**, 9, H16-H18		21
120	Design of a hierarchical structure of ZnO by electrochemistry for ZnO-based dye-sensitized solar cells. *Physica Status Solidi (A) Applications and Materials Science*, **2010**, 207, 2252-2257	1.6	19
119	Dependence of the photoelectrochemical performance of sensitised ZnO on the crystalline orientation in electrodeposited ZnO thin films. *Physical Chemistry Chemical Physics*, **2007**, 9, 1843-9	3.6	18
118	Variation of the morphology of electrodeposited copper thiocyanate films. *Thin Solid Films*, **2008**, 516, 7120-7124	2.2	18
117	3-Aryl-4-hydroxycyclobut-3-ene-1,2-diones as sensitizers for TiO2 solar cell. *Dyes and Pigments*, **2003**, 58, 219-226	4.6	18
116	Microstructural Observation of Photoelectrochemically Tailored Nano-Honeycomb TiO2. *Electrochemistry*, **1999**, 67, 1234-1236	1.2	18
115	Highly porous TiO2 films from anodically deposited titanate hybrids and their photoelectrochemical and photocatalytic activity. *Microporous and Mesoporous Materials*, **2008**, 111, 55-61	5.3	17

114	Efficient Sensitization of Mesoporous Electrodeposited Zinc Oxide by cis-Bis(isothiocyanato)bis(2,2[sup ?]-bipyridyl-4,4[sup ?]-dicarboxylato)-Ruthenium(II). *Journal of the Electrochemical Society*, **2006**, 153, A699	3.9	17
113	Importance of fluorescence lifetimes for efficient indoline dyes in dye-sensitized solar cells. *RSC Advances*, **2015**, 5, 57721-57724	3.7	15
112	Atom-by-atom growth of cadmium sulfide thin films by electroreduction of aqueous Cd2+SCN complex. *Journal of Electroanalytical Chemistry*, **1999**, 473, 209-216	4.1	15
111	Electrodeposition of TiO2 Thin Film by Anodic Formation of Titanate/Benzoquinone Hybrid. *Electrochemical and Solid-State Letters*, **2005**, 8, C69-C71		14
110	Hybrid thin films of ZnO with porphyrins and phthalocyanines prepared by one-step electrodeposition. *Journal of Porphyrins and Phthalocyanines*, **2004**, 08, 1366-1375	1.8	14
109	Application of MIS-CELIV technique to measure hole mobility of hole-transport material for organic light-emitting diodes. *AIP Advances*, **2018**, 8, 105001	1.5	14
108	Influence of indoline dye and coadsorbate molecules on photovoltaic performance and recombination in dye-sensitized solar cells based on electrodeposited ZnO. *Journal of Electroanalytical Chemistry*, **2013**, 709, 10-18	4.1	13
107	Application of novel N-(p-phenylene)-dicyanovinylidene double rhodanine indoline dye for zinc oxide dye-sensitized solar cell. *Dyes and Pigments*, **2013**, 96, 614-618	4.6	13
106	Microwave-assisted Hydrothermal Synthesis of Structure-controlled ZnO Nanocrystals and Their Properties in Dye-sensitized Solar Cells. *Electrochemistry*, **2017**, 85, 253-261	1.2	13
105	The Effect of Pre-treatments of F-Doped SnO2 Substrates for Cathodic Nucleation of ZnO Crystals in Aqueous ZnCl2 Solution with Dissolved O2. *Electrochemistry*, **2011**, 79, 146-155	1.2	13
104	Performance of new single rhodanine indoline dyes in zinc oxide dye-sensitized solar cell. *Solar Energy Materials and Solar Cells*, **2014**, 128, 313-319	6.4	12
103	N-(2-Alkoxyphenyl)-substituted double rhodanine indoline dyes for zinc oxide dye-sensitized solar cell. *Tetrahedron*, **2012**, 68, 4286-4291	2.4	12
102	Substrate-oriented nanorod scaffolds in polymer-fullerene bulk heterojunction solar cells. *ChemPhysChem*, **2014**, 15, 1070-5	3.2	12
101	Color-sensitive photoconductivity of nanostructured ZnO/dye hybrid films prepared by one-step electrodeposition. *Thin Solid Films*, **2006**, 511-512, 354-357	2.2	12
100	Hybrid layers of ZnO/lanthanide complexes with high visible luminescences. *Journal of Materials Chemistry*, **2006**, 16, 4529		12
99	Interfacial Engineering in Solution Processing of Silicon-Based Hybrid Multilayer for High Performance Thin Film Encapsulation. *ACS Applied Materials & Interfaces*, **2019**, 11, 43425-43432	9.5	11
98	Photoluminescence from Electrodeposited Zinc Oxide Films Modified with Eu Ions. *Japanese Journal of Applied Physics*, **2008**, 47, 625-628	1.4	11
97	Ring-fluorinated fluoresceins as an organic photosensitizer for dye-sensitized solar cells using nanocrystalline zinc oxide. *Journal of Fluorine Chemistry*, **2006**, 127, 257-262	2.1	11

96	Evolution of a skeleton structured TiO2 surface consisting of grain boundaries. *Journal of Electroanalytical Chemistry*, **1999**, 473, 204-208	4.1	11
95	Solution processing of alternating PDMS/SiOx multilayer for encapsulation of organic light emitting diodes. *Organic Electronics*, **2019**, 64, 176-180	3.5	11
94	Metal-Free Hydrogen-Bonded Polymers Mimic Noble Metal Electrocatalysts. *Advanced Materials*, **2020**, 32, e1902177	24	10
93	Control of Nanostructure and Crystallographic Orientation in Electrodeposited ZnO Thin Films via Structure Directing Agents. *Journal of the Electrochemical Society*, **2014**, 161, D195-D201	3.9	10
92	Wall thickness and charge transport properties of nano-honeycomb TiO2 structures prepared by photoetching. *Electrochimica Acta*, **2007**, 52, 4325-4333	6.7	10
91	Time- and Frequency-resolved Photoelectrochemical Investigations on Nano-honeycomb TiO2 Electrodes. *Electrochemistry*, **2002**, 70, 453-456	1.2	9
90	Electrochemical CO2 reduction catalysed by cobalt octacyanophthalocyanine and its mechanism. *Journal of Porphyrins and Phthalocyanines*, **1997**, 1, 315-321	1.8	9
89	La1−xSrxMnO3−δ/YSZ composite film electrodes prepared by metal-organic decomposition for solid oxide fuel cells. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **1997**, 49, 239-242	3.1	8
88	Phonon-assisted anti-Stokes luminescence of tricarbocyanine near-infrared dye. *Chemical Physics Letters*, **2020**, 738, 136905	2.5	8
87	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	3.9	7
86	Vacuum Ultraviolet Photochemical Sol-Gel Processing of Zn, Sn, Zn-Sn Oxide Thin Films for Encapsulation of Organic Light Emitting Diodes. *Journal of the Electrochemical Society*, **2019**, 166, B3176-B3183	3.9	7
85	Microwave-assisted hydrothermal synthesis of ZnO and Zn-terephthalate hybrid nanoparticles employing benzene dicarboxylic acids. *Microsystem Technologies*, **2018**, 24, 699-708	1.7	7
84	Aggregation behavior of differently substituted Ru(II)-complex dyes as sensitizers for electrodeposited ZnO solar cells. *Journal of Photochemistry and Photobiology A: Chemistry*, **2012**, 242, 67-71	4.7	7
83	Electrochemically assembled planar hybrid poly(3-methylthiophene)/ZnO nanostructured composites. *Electrochimica Acta*, **2012**, 81, 83-89	6.7	7
82	Multiple Fabrications of Crystalline CdS Thin Films from a Single Bath by EICD in Acidic Aqueous Solution of Cd2+and Thiourea Complex. *Chemistry Letters*, **2001**, 30, 864-865	1.7	7
81	Electrochromic redox reactions of vapour-deposited thin films of tetrapyridotetraazaporphyrinatozinc(II). *Journal of Porphyrins and Phthalocyanines*, **2000**, 04, 112-122	1.8	7
80	Effects of alkylamine chain length on perovskite nanocrystals after washing and perovskite light-emitting diodes. *Japanese Journal of Applied Physics*, **2020**, 59, SDDC04	1.4	7
79	Separation of mono-dispersed CH3NH3PbBr3 perovskite quantum dots via dissolution of nanocrystals. *CrystEngComm*, **2018**, 20, 7053-7057	3.3	7

78	Influence of Mg-doping on the characteristics of ZnO photoanodes in dye-sensitized solar cells. *Physical Chemistry Chemical Physics*, **2021**, 23, 8393-8402	3.6	7
77	Preparation of Hierarchic Porous Films of □MnO Nanoparticles by Using the Breath Figure Technique and Application for Hybrid Capacitor Electrodes. *ACS Omega*, **2019**, 4, 3827-3831	3.9	6
76	Cathodic electrodeposition of CuSCN thin films. *Transactions of the Materials Research Society of Japan*, **2008**, 33, 1325-1328	0.2	6
75	Electrochemically self-assembled mesoporous dye-modified zinc oxide thin films. *Studies in Surface Science and Catalysis*, **2005**, 315-320	1.8	6
74	Principles of solar energy storage. *Energy Storage*, **2020**, 2, e96	2.8	6
73	Electrochemical self-assembly of CuSCN-DAST hybrid thin films. *Monatshefte F□ Chemie*, **2017**, 148, 845-854	1.4	5
72	Various Ionic Crystals from the Combination of 1,3-Bis(dicyanomethylidene)indan Anion and □Electronic Cations. *Crystal Growth and Design*, **2019**, 19, 5811-5818	3.5	5
71	Epitaxial electrodeposition of ZnO thin film on GaN(0001) bulk single crystal. *Physica Status Solidi (A) Applications and Materials Science*, **2008**, 205, 2376-2381	1.6	5
70	Single-Component Organic Solar Cells Based on Intramolecular Charge Transfer Photoabsorption. *Materials*, **2021**, 14,	3.5	5
69	Extraction of Vanadium from Ammonia Slag under Near-Atmospheric Conditions. *Metals*, **2018**, 8, 414	2.3	4
68	Survey of co-adsorbent for DN350 in zinc oxide dye-sensitized solar cell. *Dyes and Pigments*, **2013**, 99, 829-832	4.6	4
67	Excitation Processes of Photoluminescence and Origin of Absorption Peak Shift in ZnO Porous Films Modified with Eu Ions. *Japanese Journal of Applied Physics*, **2010**, 49, 031106	1.4	4
66	Development of Electrodeposition System Employing 8 Rotating Disc Electrodes for Highly Reproducible Synthesis of Zinc Oxide Thin Films. *Electrochemistry*, **2012**, 80, 891-897	1.2	4
65	Evaluation of CO2 Reduction Effect of Dye-sensitized Solar Cell by LCA. *Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy*, **2007**, 86, 978-986	0.5	4
64	Influence of the supporting salt concentration on the electrodeposition of ZnO/eosin Y hybrid films. *Physica Status Solidi (A) Applications and Materials Science*, **2008**, 205, 2388-2391	1.6	4
63	Synthesis of Q-particulate CdS Thin Films by Using Surface Adsorbent in Electrochemically Induced Chemical Deposition (EICD) Technique. *Electrochemistry*, **1999**, 67, 1168-1171	1.2	4
62	Selective hybridization of organic dyes with CuSCN during its electrochemical growth. *Microsystem Technologies*, **2018**, 24, 715-723	1.7	3
61	Cathodic electrodeposition of ZnO and CuSCN thin films in the presence of glutathione. *Transactions of the Materials Research Society of Japan*, **2009**, 34, 283-286	0.2	3

60	Switching of Dye Loading Mechanism in Electrochemical Self-Assembly of CuSCN/DAS Hybrid Thin Films. *ECS Transactions*, **2018**, 88, 313-322	1	3
59	Microwave-Assisted Hydrothermal Synthesis of Co-Doped ZnO Nanoparticles for Water Oxidation Electrocatalysis. *ECS Transactions*, **2018**, 88, 369-380	1	3
58	Influence of Crystal Facets (102) or (100) on Photoelectrochemical Kinetics of ZnO Nanocrystals in Dye-Sensitized Solar Cells. *Journal of the Electrochemical Society*, **2019**, 166, B3290-B3294	3.9	2
57	Concerted Photoluminescence of Electrochemically Self-Assembled CuSCN/Stilbazolium Dye Hybrid Thin Films. *ACS Omega*, **2019**, 4, 4056-4062	3.9	2
56	Size control of CH3NH3PbBr3 perovskite cuboid fine crystals synthesized by ligand-free reprecipitation method. *Microsystem Technologies*, **2018**, 24, 619-623	1.7	2
55	ZnO/TiO2 core□shell photoelectrodes for dye-sensitized solar cells by screen printing and room temperature ALD. *Microsystem Technologies*, **2018**, 24, 647-654	1.7	2
54	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	3.9	2
53	Field Electron Emission from Carbon Nanotube/ZnO Composite Films Prepared by Electrodeposition. *Japanese Journal of Applied Physics*, **2013**, 52, 091801	1.4	2
52	Electrochemically self-assembled ZnO/dye electrodes: preparation and time-resolved photoelectrochemical measurements **2002**, 4807, 113		2
51	One-step electrodeposition of CdS/ZnS bilayer from an aqueous mixture of Cd2+ and Zn2+. *Journal of Materials Research*, **1998**, 13, 917-921	2.5	2
50	Smart energy systems. *Semiconductor Physics, Quantum Electronics and Optoelectronics*, **2019**, 22, 452-456	0.4	2
49	Crystal structure characterization of some □-conjugated ionic crystals toward electronic applications. *Molecular Crystals and Liquid Crystals*, **2020**, 704, 1-9	0.5	2
48	Development of non-platinum oxygen reduction catalysts prepared from metal-organic framework using 4,4?-bipyridine as a bridging ligand. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2018**, 228, 190-197	3.1	2
47	Electrodeposition of Zn-Terephthalate Metal-Organic Framework Thin Films. *ECS Transactions*, **2018**, 88, 343-350	1	2
46	Photoluminescent Property of Electrochemically Self-Assembled CuSCN/Dye Hybrid Thin Films. *ECS Transactions*, **2018**, 88, 323-333	1	2
45	Electrochemical Self-Assembly of Nanoporous ZnO/Eosin Y Thin Films and Their Sensitized Photoelectrochemical Performance **2000**, 12, 1214		2
44	Organic Microboxes Prepared by Self-assembly of a Charge-transfer Dye. *Chemistry Letters*, **2017**, 46, 557-559	1.7	1
43	Photoconductive Properties of Dibenzotetrathiafulvalene-Tetracyanoquinodimethane (DBTTF-TCNQ) Nanorods Prepared by the Reprecipitation Method. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 4599-4602	1.3	1

42	Fabrication of Hybridized Microparticles Composed of Mesoporous Manganese Dioxide and Fullerene C60 Nanocrystals. *Chemistry Letters*, **2018**, 47, 347-349	1.7	1
41	A Dye-sensitized Solar Cell Using an Anthraquinone Bearing Anion Recognition Moieties. *Chemistry Letters*, **2016**, 45, 881-883	1.7	1
40	Novel indoline dye tetrabutylammonium carboxylates attached with a methyl group on the cyclopentane ring for dye-sensitized solar cells. *Tetrahedron*, **2018**, 74, 5867-5878	2.4	1
39	Fabrication of Carbon Nanotube/Zinc Oxide Composite Films by Electrodeposition. *Japanese Journal of Applied Physics*, **2011**, 50, 085504	1.4	1
38	Nanoparticulate Dye-Semiconductor Hybrid Materials Formed by Electrochemical Self-Assembly as Electrodes in Photoelectrochemical Cells. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 518-530	1.4	1
37	Emergence and control of photonic band structure in stacked OLED microcavities. *Nature Communications*, **2021**, 12, 6111	17.4	1
36	Photochemical Conversion of Ethanolamine-Zn2+ Complex Gel under Vacuum Ultraviolet Irradiation Associated with Color-Tunable Photoluminescence. *Journal of Physical Chemistry C*, **2021**, 125, 5417-5424	3.8	1
35	Electrodeposition of Zn-Co-Terephthalate MOF and Its Conversion to Co-Doped ZnO Thin Films. *ECS Journal of Solid State Science and Technology*, **2021**, 10, 057002	2	1
34	Electrochemical Impedance Spectroscopy Analysis on Dye-sensitized Solar Cells Employing (102) and (100) Dominant ZnO Nanocrystals. *ECS Transactions*, **2018**, 88, 289-299	1	1
33	Novel Organic CT Salts of 1,3-Bis(dicyanomethylidene)indan Anion and Viologen Cations with Different Linear Alkyl Chain Lengths. *ECS Transactions*, **2018**, 88, 301-311	1	1
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