

Tsukasa Yoshida

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Emergence and control of photonic band structure in stacked OLED microcavities. <i>Nature Communications</i> , 2021 , 12, 6111	17.4	1
184	Crystal Structures and Optical Properties of Cyanine Dyes Depending on Various Counter Anions. <i>ACS Omega</i> , 2021 , 6, 28421-28431	3.9	
183	Photochemical Conversion of Ethanolamine-Zn ²⁺ Complex Gel under Vacuum Ultraviolet Irradiation Associated with Color-Tunable Photoluminescence. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 5417-5424	3.8	1
182	NDF Voedingsrichtlijn Diabetes 2020: aandacht voor persoonsgerichte zorg. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2021 , 19, 15-17	0	
181	Single-Component Organic Solar Cells Based on Intramolecular Charge Transfer Photoabsorption. <i>Materials</i> , 2021 , 14,	3.5	5
180	Electrodeposition of Zn-Co-Terephthalate MOF and Its Conversion to Co-Doped ZnO Thin Films. <i>ECS Journal of Solid State Science and Technology</i> , 2021 , 10, 057002	2	1
179	Electrochromism of Mesoporous Zinc Oxide/Carboxylated Viologen Electrodes. <i>ECS Journal of Solid State Science and Technology</i> , 2021 , 10, 067002	2	
178	Diabetische voetzorg is multidisciplinair teamwerk. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2021 , 19, 15-18	0	
177	Zorgen over preferentiebeleid (biosimilar) insulines. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2021 , 19, 18-21	0	
176	Influence of Mg-doping on the characteristics of ZnO photoanodes in dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 8393-8402	3.6	7
175	Metal-Free Hydrogen-Bonded Polymers Mimic Noble Metal Electrocatalysts. <i>Advanced Materials</i> , 2020 , 32, e1902177	24	10
174	Synthesis of Zinc-Terephthalate Metal Organic Frameworks and Their Application to Redox Batteries. <i>ECS Meeting Abstracts</i> , 2020 , MA2020-02, 3718-3718	0	
173	Electro-Polymerization of Hydrogen-Bonding Conductive Polymers As Metal-Free Electrocatalysts for Energy Conversion. <i>ECS Meeting Abstracts</i> , 2020 , MA2020-01, 1537-1537	0	
172	Mechanistic Studies for Electrochemical Self-Assembly of CuSCN/Stilbazolium Dye Hybrid Thin Films. <i>ECS Meeting Abstracts</i> , 2020 , MA2020-01, 1160-1160	0	
171	Synthesis of Zinc-Terephthalate Metal Organic Frameworksand Their Application to Redox Batteries. <i>ECS Meeting Abstracts</i> , 2020 , MA2020-01, 2857-2857	0	
170	Effects of alkylamine chain length on perovskite nanocrystals after washing and perovskite light-emitting diodes. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SDDC04	1.4	7
169	Principles of solar energy storage. <i>Energy Storage</i> , 2020 , 2, e96	2.8	6

168	Phonon-assisted anti-Stokes luminescence of tricarboyanine near-infrared dye. <i>Chemical Physics Letters</i> , 2020 , 738, 136905	2.5	8
167	Flexible Ultraviolet Photodetectors Based on One-Dimensional Gallium-Doped Zinc Oxide Nanostructures. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 3522-3529	4	35
166	Persoonsgerichte zorg leidt tot betere uitkomsten op lange(re) termijn. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2020 , 18, 38-40	0	0
165	Crystal structure characterization of some E-conjugated ionic crystals toward electronic applications. <i>Molecular Crystals and Liquid Crystals</i> , 2020 , 704, 1-9	0.5	2
164	NDF zet zich in voor persoonsgerichte hulpmiddelenzorg. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2020 , 18, 32-33	0	
163	Kwaliteitscriteria voor sensortechnologie opgenomen in ZIN-register. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2020 , 18, 10-14	0	
162	Onderzoeksresultaten diabetesjaargesprek bevestigen belang persoonsgerichte zorg. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2019 , 17, 22-25	0	
161	Influence of Crystal Facets (102) or (100) on Photoelectrochemical Kinetics of ZnO Nanocrystals in Dye-Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B3290-B3294	3.9	2
160	Vanadium Redox Flow Batteries Fabricated by 3D Printing and Employing Recycled Vanadium Collected from Ammonia Slag. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B3125-B3130	3.9	7
159	Vacuum Ultraviolet Photochemical Sol-Gel Processing of Zn, Sn, Zn-Sn Oxide Thin Films for Encapsulation of Organic Light Emitting Diodes. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B3176-B3183	3.9	7
158	Photoconductive Properties of Dibenzotetrathiafulvalene-Tetracyanoquinodimethane (DBTTF-TCNQ) Nanorods Prepared by the Reprecipitation Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 4599-4602	1.3	1
157	Switching of Dye Loading Mechanism in Electrochemical Self-Assembly of CuSCN/4-(N,N-dimethylamino)-4'- (N?-methyl)Stilbazolium Hybrid Thin Films. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B3096-B3102	3.9	0
156	Preparation of Hierarchic Porous Films of MnO Nanoparticles by Using the Breath Figure Technique and Application for Hybrid Capacitor Electrodes. <i>ACS Omega</i> , 2019 , 4, 3827-3831	3.9	6
155	Concerted Photoluminescence of Electrochemically Self-Assembled CuSCN/Stilbazolium Dye Hybrid Thin Films. <i>ACS Omega</i> , 2019 , 4, 4056-4062	3.9	2
154	Various Ionic Crystals from the Combination of 1,3-Bis(dicyanomethylidene)indan Anion and E-Electronic Cations. <i>Crystal Growth and Design</i> , 2019 , 19, 5811-5818	3.5	5
153	Interfacial Engineering in Solution Processing of Silicon-Based Hybrid Multilayer for High Performance Thin Film Encapsulation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43425-43432	9.5	11
152	Meer zorg op maat voor ouderen met diabetes. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2019 , 17, 36-37	0	
151	Smart energy systems. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , 2019 , 22, 452-456	4	2

150	Solution processing of alternating PDMS/SiO _x multilayer for encapsulation of organic light emitting diodes. <i>Organic Electronics</i> , 2019 , 64, 176-180	3.5	11
149	Nationale Diabetes Dag 2018: diabetes in al zñ dimensies. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2018 , 16, 18-19	0	
148	Stakeholdersdialogen: 2018 is het jaar van implementatie. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2018 , 16, 20-21	0	
147	Fabrication of Hybridized Microparticles Composed of Mesoporous Manganese Dioxide and Fullerene C60 Nanocrystals. <i>Chemistry Letters</i> , 2018 , 47, 347-349	1.7	1
146	Geactualiseerde Richtlijn insulinetoediening met de pen. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2018 , 16, 16-17	0	
145	Size control of CH ₃ NH ₃ PbBr ₃ perovskite cuboid fine crystals synthesized by ligand-free reprecipitation method. <i>Microsystem Technologies</i> , 2018 , 24, 619-623	1.7	2
144	ZnO/TiO ₂ core-shell photoelectrodes for dye-sensitized solar cells by screen printing and room temperature ALD. <i>Microsystem Technologies</i> , 2018 , 24, 647-654	1.7	2
143	Microwave-assisted hydrothermal synthesis of ZnO and Zn-terephthalate hybrid nanoparticles employing benzene dicarboxylic acids. <i>Microsystem Technologies</i> , 2018 , 24, 699-708	1.7	7
142	Selective hybridization of organic dyes with CuSCN during its electrochemical growth. <i>Microsystem Technologies</i> , 2018 , 24, 715-723	1.7	3
141	Extraction of Vanadium from Ammonia Slag under Near-Atmospheric Conditions. <i>Metals</i> , 2018 , 8, 414	2.3	4
140	Novel indoline dye tetrabutylammonium carboxylates attached with a methyl group on the cyclopentane ring for dye-sensitized solar cells. <i>Tetrahedron</i> , 2018 , 74, 5867-5878	2.4	1
139	High Voltage Flexible ZnO Solar Cells Employing Bulky Organic Dye and [Co(bpy) ₃] ^{2+/3+} +Redox Electrolyte. <i>Journal of the Electrochemical Society</i> , 2018 , 165, B3194-B3200	3.9	2
138	Development of non-platinum oxygen reduction catalysts prepared from metal-organic framework using 4,4'-bipyridine as a bridging ligand. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018 , 228, 190-197	3.1	2
137	Solution Processed Alternating Organic/Inorganic Multilayer for OLED Encapsulation. <i>ECS Transactions</i> , 2018 , 88, 121-128	1	
136	Electrodeposition of Zn-Terephthalate Metal-Organic Framework Thin Films. <i>ECS Transactions</i> , 2018 , 88, 343-350	1	2
135	Electrochemical Impedance Spectroscopy Analysis on Dye-sensitized Solar Cells Employing (102) and (100) Dominant ZnO Nanocrystals. <i>ECS Transactions</i> , 2018 , 88, 289-299	1	1
134	Vanadium Redox Flow Batteries Fabricated by 3D Printing and Employing Recycled Vanadium Collected from Ammonia Slag. <i>ECS Transactions</i> , 2018 , 88, 269-278	1	0
133	Novel Organic CT Salts of 1,3-Bis(dicyanomethylidene)indan Anion and Viologen Cations with Different Linear Alkyl Chain Lengths. <i>ECS Transactions</i> , 2018 , 88, 301-311	1	1

132	Switching of Dye Loading Mechanism in Electrochemical Self-Assembly of CuSCN/DAS Hybrid Thin Films. <i>ECS Transactions</i> , 2018 , 88, 313-322	1	3
131	Microwave-Assisted Hydrothermal Synthesis of Co-Doped ZnO Nanoparticles for Water Oxidation Electrocatalysis. <i>ECS Transactions</i> , 2018 , 88, 369-380	1	3
130	Photoluminescent Property of Electrochemically Self-Assembled CuSCN/Dye Hybrid Thin Films. <i>ECS Transactions</i> , 2018 , 88, 323-333	1	2
129	Vacuum Ultraviolet-Assisted Sol-Gel Processing of Zn, Sn, Zn-Sn Oxide Thin Films for OLED Encapsulation. <i>ECS Transactions</i> , 2018 , 88, 399-408	1	
128	Proton-Coupled Reversible Redox Reaction of Zinc-Terephthalate Metal-Organic Framework. <i>ECS Transactions</i> , 2018 , 88, 259-268	1	
127	Application of MIS-CELIV technique to measure hole mobility of hole-transport material for organic light-emitting diodes. <i>AIP Advances</i> , 2018 , 8, 105001	1.5	14
126	Separation of mono-dispersed CH ₃ NH ₃ PbBr ₃ perovskite quantum dots via dissolution of nanocrystals. <i>CrystEngComm</i> , 2018 , 20, 7053-7057	3.3	7
125	Organic Microboxes Prepared by Self-assembly of a Charge-transfer Dye. <i>Chemistry Letters</i> , 2017 , 46, 557-559	1.7	1
124	Electrochemical self-assembly of CuSCN-DAST hybrid thin films. <i>Monatshefte für Chemie</i> , 2017 , 148, 845-854	1.4	5
123	Ik vind het leuk om met de voeten in de modder te staan □ <i>Zorgvisie: Vakopinieblad Voor De Zorgsector</i> , 2017 , 47, 46-46	0	
122	Ouderen en ict. <i>Zorgvisie: Vakopinieblad Voor De Zorgsector</i> , 2017 , 47, 7-7	0	
121	innovatieve strategische samenwerking werpt vruchten af. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2017 , 15, 87-88	0	
120	Indirecte keramische facings: Facings: van composiet naar porselein. <i>Tandartspraktijk</i> , 2017 , 38, 4-10	0.2	
119	Cognitieve gedragstherapie effectief tegen chronische vermoeidheid bij type 1-diabetes. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2017 , 15, 33-35	0	
118	Microwave-assisted Hydrothermal Synthesis of Structure-controlled ZnO Nanocrystals and Their Properties in Dye-sensitized Solar Cells. <i>Electrochemistry</i> , 2017 , 85, 253-261	1.2	13
117	X-puzzel #9. <i>Tandartspraktijk</i> , 2017 , 38, 23-23	0.2	
116	A Dye-sensitized Solar Cell Using an Anthraquinone Bearing Anion Recognition Moieties. <i>Chemistry Letters</i> , 2016 , 45, 881-883	1.7	1
115	Psychosociale zorg diabetespatiënten vraagt om structurele aanpak. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2016 , 14, 87-89	0	

114	Structurele aandacht voor zelfmanagement en zelfmanagementondersteuning. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2016 , 14, 179-181	0	
113	Importance of fluorescence lifetimes for efficient indoline dyes in dye-sensitized solar cells. <i>RSC Advances</i> , 2015 , 5, 57721-57724	3.7	15
112	Using the Alkynyl-Substituted Rhenium(I) Complex (4,4'-Bisphenyl-Ethynyl-2,2'-Bipyridyl)Re(CO) ₃ Cl as Catalyst for CO ₂ Reduction Synthesis, Characterization, and Application. <i>Electrocatalysis</i> , 2015 , 6, 185-197	2.7	22
111	Improvement of Light Harvesting by Addition of a Long-Wavelength Absorber in Dye-Sensitized Solar Cells Based on ZnO and Indoline Dyes. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 1298-1311	3.8	25
110	Mg-doped TiO ₂ nanorods improving open-circuit voltages of ammonium lead halide perovskite solar cells. <i>RSC Advances</i> , 2014 , 4, 9652-9655	3.7	86
109	Electrochemical Self-Assembly of Nanostructured CuSCN/Rhodamine B Hybrid Thin Film and Its Dye-Sensitized Photocathodic Properties. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 16581-16590	3.8	25
108	Microwave synthesis of size-controllable SnO ₂ nanocrystals for dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2014 , 38, 598	3.6	46
107	Control of Nanostructure and Crystallographic Orientation in Electrodeposited ZnO Thin Films via Structure Directing Agents. <i>Journal of the Electrochemical Society</i> , 2014 , 161, D195-D201	3.9	10
106	Performance of new single rhodanine indoline dyes in zinc oxide dye-sensitized solar cell. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 128, 313-319	6.4	12
105	Substrate-oriented nanorod scaffolds in polymer-fullerene bulk heterojunction solar cells. <i>ChemPhysChem</i> , 2014 , 15, 1070-5	3.2	12
104	Survey of co-adsorbent for DN350 in zinc oxide dye-sensitized solar cell. <i>Dyes and Pigments</i> , 2013 , 99, 829-832	4.6	4
103	Influence of indoline dye and coadsorbate molecules on photovoltaic performance and recombination in dye-sensitized solar cells based on electrodeposited ZnO. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 709, 10-18	4.1	13
102	Application of novel N-(p-phenylene)-dicyanovinylidene double rhodanine indoline dye for zinc oxide dye-sensitized solar cell. <i>Dyes and Pigments</i> , 2013 , 96, 614-618	4.6	13
101	Size-controlled synthesis of anisotropic TiO ₂ single nanocrystals using microwave irradiation and their application for dye-sensitized solar cells. <i>Dalton Transactions</i> , 2013 , 42, 3295-9	4.3	23
100	Field Electron Emission from Carbon Nanotube/ZnO Composite Films Prepared by Electrodeposition. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 091801	1.4	2
99	N-(2-Alkoxyphenyl)-substituted double rhodanine indoline dyes for zinc oxide dye-sensitized solar cell. <i>Tetrahedron</i> , 2012 , 68, 4286-4291	2.4	12
98	Design of NIR-absorbing simple asymmetric squaraine dyes carrying indoline moieties for use in dye-sensitized solar cells with Pt-free electrodes. <i>Organic Letters</i> , 2012 , 14, 1246-9	6.2	55
97	Aggregation behavior of differently substituted Ru(II)-complex dyes as sensitizers for electrodeposited ZnO solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 242, 67-71	4.7	7

96	Organic dyes containing fluorene-substituted indoline core for zinc oxide dye-sensitized solar cell. <i>RSC Advances</i> , 2012 , 2, 2721	3.7	59
95	Electrochemically assembled planar hybrid poly(3-methylthiophene)/ZnO nanostructured composites. <i>Electrochimica Acta</i> , 2012 , 81, 83-89	6.7	7
94	Development of Electrodeposition System Employing 8 Rotating Disc Electrodes for Highly Reproducible Synthesis of Zinc Oxide Thin Films. <i>Electrochemistry</i> , 2012 , 80, 891-897	1.2	4
93	Spectroelectrochemical studies on redox reactions of eosin Y and its polymerization with Zn ²⁺ ions. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 662, 384-395	4.1	24
92	Synthesis of a novel heptamethine cyanine dye for use in near-infrared active dye-sensitized solar cells with porous zinc oxide prepared at low temperature. <i>Energy and Environmental Science</i> , 2011 , 4, 2186	35.4	59
91	The Effect of Pre-treatments of F-Doped SnO ₂ Substrates for Cathodic Nucleation of ZnO Crystals in Aqueous ZnCl ₂ Solution with Dissolved O ₂ . <i>Electrochemistry</i> , 2011 , 79, 146-155	1.2	13
90	Comparison of performance between benzindoline and indoline dyes in zinc oxide dye-sensitized solar cell. <i>Dyes and Pigments</i> , 2011 , 91, 145-152	4.6	36
89	Highly efficient new indoline dye having strong electron-withdrawing group for zinc oxide dye-sensitized solar cell. <i>Tetrahedron</i> , 2011 , 67, 6289-6293	2.4	47
88	Electrodeposited Porous ZnO Sensitized by Organic Dyes [Promising Materials for Dye-Sensitized Solar Cells with Potential Application in Large-Scale Photovoltaics. <i>Advances in Electrochemical Science and Engineering</i> , 2011 , 221-275		
87	Fabrication of Carbon Nanotube/Zinc Oxide Composite Films by Electrodeposition. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 085504	1.4	1
86	Cathodic electrodeposition of p-CuSCN nanorod and its dye-sensitized photocathodic property. <i>Physics Procedia</i> , 2011 , 14, 12-24		21
85	Excitation Processes of Photoluminescence and Origin of Absorption Peak Shift in ZnO Porous Films Modified with Eu Ions. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 031106	1.4	4
84	Effect of anchoring groups on electrochemical self-assembly of ZnO/xanthene dye hybrid thin films. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 10494-502	3.6	21
83	Aggregation of indoline dyes as sensitizers for ZnO solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 216, 1-7	4.7	48
82	Highly efficient substituted triple rhodanine indoline dyes in zinc oxide dye-sensitized solar cell. <i>Tetrahedron</i> , 2010 , 66, 7405-7410	2.4	32
81	Substituent effects in a double rhodanine indoline dye on performance of zinc oxide dye-sensitized solar cell. <i>Dyes and Pigments</i> , 2010 , 86, 143-148	4.6	39
80	Design of a hierarchical structure of ZnO by electrochemistry for ZnO-based dye-sensitized solar cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010 , 207, 2252-2257	1.6	19
79	Electrodeposition of Inorganic/Organic Hybrid Thin Films. <i>Advanced Functional Materials</i> , 2009 , 19, 17-43	5.6	296

78	The use of indoline dyes in a zinc oxide dye-sensitized solar cell. <i>Dyes and Pigments</i> , 2009 , 80, 233-238	4.6	63
77	Novel thiophene-conjugated indoline dyes for zinc oxide solar cells. <i>New Journal of Chemistry</i> , 2009 , 33, 93-101	3.6	101
76	Cathodic electrodeposition of ZnO and CuSCN thin films in the presence of glutathione. <i>Transactions of the Materials Research Society of Japan</i> , 2009 , 34, 283-286	0.2	3
75	Nanoparticulate Dye-Semiconductor Hybrid Materials Formed by Electrochemical Self-Assembly as Electrodes in Photoelectrochemical Cells. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2009 , 64, 518-530	1.4	1
74	Photoluminescence from Electrodeposited Zinc Oxide Films Modified with Eu Ions. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 625-628	1.4	11
73	Design and Synthesis of Near-infrared-active HeptamethineCyanine Dyes to Suppress Aggregation in a Dye-sensitized Porous Zinc Oxide Solar Cell. <i>Chemistry Letters</i> , 2008 , 37, 176-177	1.7	33
72	Electrodeposition of ZnO/Dye Hybrid Thin Films for Dye-Sensitized Solar Cells. <i>Electrochemistry</i> , 2008 , 76, 109-117	1.2	46
71	Cathodic electrodeposition of CuSCN thin films. <i>Transactions of the Materials Research Society of Japan</i> , 2008 , 33, 1325-1328	0.2	6
70	Epitaxial electrodeposition of ZnO thin film on GaN(0001) bulk single crystal. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 2376-2381	1.6	5
69	Influence of the supporting salt concentration on the electrodeposition of ZnO/eosin Y hybrid films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 2388-2391	1.6	4
68	Flexible zinc oxide solar cells sensitized by styryl dyes. <i>Dyes and Pigments</i> , 2008 , 77, 59-69	4.6	31
67	Variation of the morphology of electrodeposited copper thiocyanate films. <i>Thin Solid Films</i> , 2008 , 516, 7120-7124	2.2	18
66	Highly porous TiO ₂ films from anodically deposited titanate hybrids and their photoelectrochemical and photocatalytic activity. <i>Microporous and Mesoporous Materials</i> , 2008 , 111, 55-61	5.3	17
65	Dependence of the photoelectrochemical performance of sensitised ZnO on the crystalline orientation in electrodeposited ZnO thin films. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 1843-9	3.6	18
64	Evaluation of CO ₂ Reduction Effect of Dye-sensitized Solar Cell by LCA. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2007 , 86, 978-986	0.5	4
63	Application of 9-substituted 3,4-perylenedicarboxylic anhydrides as sensitizers for zinc oxide solar cell. <i>Dyes and Pigments</i> , 2007 , 72, 303-307	4.6	31
62	Wall thickness and charge transport properties of nano-honeycomb TiO ₂ structures prepared by photoetching. <i>Electrochimica Acta</i> , 2007 , 52, 4325-4333	6.7	10
61	Color-sensitive photoconductivity of nanostructured ZnO/dye hybrid films prepared by one-step electrodeposition. <i>Thin Solid Films</i> , 2006 , 511-512, 354-357	2.2	12

60	Room-Temperature Synthesis of Porous Nanoparticulate TiO ₂ Films for Flexible Dye-Sensitized Solar Cells. <i>Advanced Functional Materials</i> , 2006 , 16, 1228-1234	15.6	228
59	Efficient Sensitization of Mesoporous Electrodeposited Zinc Oxide by cis-Bis(isothiocyanato)bis(2,2 [?] -bipyridyl-4,4 [?] -dicarboxylato)-Ruthenium(II). <i>Journal of the Electrochemical Society</i> , 2006 , 153, A699	3.9	17
58	Highly Porous Electrodeposited Zinc Oxide Films Functionalized for Red/Green Luminescence. <i>Electrochemical and Solid-State Letters</i> , 2006 , 9, H16-H18		21
57	Modification of ZnO Layers by Molecular Adsorbates During Electrochemical Deposition. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 957, 1		
56	Photoelectrochemical characterisation and optimisation of electrodeposited ZnO thin films sensitised by porphyrins and phthalocyanines. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 3867-75	3.6	23
55	Hybrid layers of ZnO/lanthanide complexes with high visible luminescences. <i>Journal of Materials Chemistry</i> , 2006 , 16, 4529		12
54	Mechanistic study of the electrodeposition of nanoporous self-assembled ZnO/Eosin Y hybrid thin films: effect of eosin concentration. <i>Langmuir</i> , 2006 , 22, 10545-53	4	46
53	Dye Sensitization of ZnO by Unsymmetrical Squaraine Dyes Suppressing Aggregation. <i>Chemistry Letters</i> , 2006 , 35, 666-667	1.7	99
52	Application of semisquaric acids as sensitizers for zinc oxide solar cell. <i>Dyes and Pigments</i> , 2006 , 70, 48-53.	3.6	29
51	Ring-fluorinated fluoresceins as an organic photosensitizer for dye-sensitized solar cells using nanocrystalline zinc oxide. <i>Journal of Fluorine Chemistry</i> , 2006 , 127, 257-262	2.1	11
50	Electrodeposition of TiO ₂ Thin Film by Anodic Formation of Titanate/Benzoquinone Hybrid. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, C69-C71		14
49	Capacitance and field-driven electron transport in electrochemically self-assembled nanoporous ZnO/dye hybrid films. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 12560-6	3.4	22
48	Application of near-infrared absorbing heptamethine cyanine dyes as sensitizers for zinc oxide solar cell. <i>Synthetic Metals</i> , 2005 , 148, 147-153	3.6	56
47	Electrochemically self-assembled mesoporous dye-modified zinc oxide thin films. <i>Studies in Surface Science and Catalysis</i> , 2005 , 315-320	1.8	6
46	Formation of Highly Crystallized PbO Thin Films by Cathodic Electrodeposition of Pb and Its Rapid Oxidation in Air. <i>Advanced Functional Materials</i> , 2005 , 15, 297-301	15.6	30
45	Hybrid thin films of ZnO with porphyrins and phthalocyanines prepared by one-step electrodeposition. <i>Journal of Porphyrins and Phthalocyanines</i> , 2004 , 08, 1366-1375	1.8	14
44	Electrochemical Self-Assembly of ZnO/SO ₃ EtPTCDI Hybrid Photoelectrodes. <i>Journal of the Electrochemical Society</i> , 2004 , 151, C62	3.9	27
43	Mechanism of cathodic electrodeposition of zinc oxide thin films from aqueous zinc nitrate baths. <i>Thin Solid Films</i> , 2004 , 451-452, 166-169	2.2	192

42	Hydrothermal preparation of porous nano-crystalline TiO ₂ electrodes for flexible solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 164, 159-166	4.7	98
41	Electron Transport and Back Reaction in Nanocrystalline TiO ₂ Films Prepared by Hydrothermal Crystallization. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 2227-2235	3.4	184
40	Electron Transport and Back Reaction in Electrochemically Self-Assembled Nanoporous ZnO/Dye Hybrid Films. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 8364-8370	3.4	82
39	Improved photoelectrochemical performance of electrodeposited ZnO/EosinY hybrid thin films by dye re-adsorption. <i>Chemical Communications</i> , 2004 , 400-1	5.8	137
38	Structural and compositional analyses on indium sulfide thin films deposited in aqueous chemical bath containing indium chloride and thioacetamide. <i>Thin Solid Films</i> , 2003 , 431-432, 354-358	2.2	24
37	Low-Temperature Fabrication of Efficient Porous Titania Photoelectrodes by Hydrothermal Crystallization at the Solid/Gas Interface. <i>Advanced Materials</i> , 2003 , 15, 814-817	24	203
36	One-step electrochemical synthesis of ZnO/Ru(dcbpy) ₂ (NCS) ₂ hybrid thin films and their photoelectrochemical properties. <i>Electrochimica Acta</i> , 2003 , 48, 3071-3078	6.7	33
35	3-Aryl-4-hydroxycyclobut-3-ene-1,2-diones as sensitizers for TiO ₂ solar cell. <i>Dyes and Pigments</i> , 2003 , 58, 219-226	4.6	18
34	Mechanistic Study of Chemical Deposition of ZnS Thin Films from Aqueous Solutions Containing Zinc Acetate and Thioacetamide by Comparison with Homogeneous Precipitation. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 387-397	3.4	61
33	Electrochemical Growth of Epitaxial Eosin/ZnO Hybrid Films. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 10077-10082	3.4	53
32	Cathodic Electrodeposition of ZnO/Eosin Y Hybrid Thin Films from Oxygen-Saturated Aqueous Solution of ZnCl ₂ and Eosin Y. <i>Journal of the Electrochemical Society</i> , 2003 , 150, C608	3.9	113
31	Cathodic Electrodeposition of ZnO/EosinY Hybrid Thin Films from Dye Added Zinc Nitrate Bath and Their Photoelectrochemical Characterizations. <i>Electrochemistry</i> , 2002 , 70, 470-487	1.2	80
30	Cathodic electrodeposition of oxide semiconductor thin films and their application to dye-sensitized solar cells. <i>Solid State Ionics</i> , 2002 , 151, 19-27	3.3	200
29	One-step electrodeposition of ZnO/eosin Y hybrid films from a hydrogen peroxide oxygen precursor. <i>Journal of Electroanalytical Chemistry</i> , 2002 , 534, 55-64	4.1	42
28	Low Temperature Synthesis of Porous Nanocrystalline TiO ₂ Thick Film for Dye-Sensitized Solar Cells by Hydrothermal Crystallization. <i>Chemistry Letters</i> , 2002 , 31, 874-875	1.7	53
27	Electrochemically self-assembled ZnO/dye electrodes: preparation and time-resolved photoelectrochemical measurements 2002 , 4807, 113		2
26	Time- and Frequency-resolved Photoelectrochemical Investigations on Nano-honeycomb TiO ₂ Electrodes. <i>Electrochemistry</i> , 2002 , 70, 453-456	1.2	9
25	Multiple Fabrications of Crystalline CdS Thin Films from a Single Bath by EICD in Acidic Aqueous Solution of Cd ²⁺ and Thiourea Complex. <i>Chemistry Letters</i> , 2001 , 30, 864-865	1.7	7

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22	Photoelectrochemical properties of ZnO/tetrasulfophthalocyanine hybrid thin films prepared by electrochemical self-assembly. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 3387-3392	3.6	46
21	Electrochromic redox reactions of vapour-deposited thin films of tetrapyrrodotetraazaporphyrinatozinc(II). <i>Journal of Porphyrins and Phthalocyanines</i> , 2000 , 04, 112-122	1.8	7
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19	Photoelectrochemical sensitisation of ZnO/tetrasulfophthalocyaninatozinc composites prepared by electrochemical self-assembly. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 481, 42-51	4.1	69
18	Electrochemical Self-Assembly of Nanoporous ZnO/Eosin Y Thin Films and Their Sensitized Photoelectrochemical Performance 2000 , 12, 1214		2
17	Atom-by-atom growth of cadmium sulfide thin films by electroreduction of aqueous Cd ²⁺ -BCN ⁻ complex. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 473, 209-216	4.1	15
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15	Self-Assembly of Zinc Oxide Thin Films Modified with Tetrasulfonated Metallophthalocyanines by One-Step Electrodeposition. <i>Chemistry of Materials</i> , 1999 , 11, 2657-2667	9.6	190
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