

Thierry Toupance

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136
papers

4,047
citations

36
h-index

57
g-index

138
ext. papers

4,513
ext. citations

5.8
avg. IF

5.25
L-index

#	Paper	IF	Citations
136	Nanostructured SnO ₂ -ZnO heterojunction photocatalysts showing enhanced photocatalytic activity for the degradation of organic dyes. <i>Inorganic Chemistry</i> , 2012 , 51, 7764-73	5.1	415
135	Conditions of Formation of Copper Phyllosilicates in Silica-Supported Copper Catalysts Prepared by Selective Adsorption. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 2277-2286	3.4	134
134	Preparation of RuO ₂ /TiO ₂ Mesoporous Heterostructures and Rationalization of Their Enhanced Photocatalytic Properties by Band Alignment Investigations. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 22098-22110	3.8	128
133	Metal Particle Size in Silica-Supported Copper Catalysts. Influence of the Conditions of Preparation and of Thermal Pretreatments. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 965-972	3.4	107
132	Ionelectronics. Cation-Induced Nonlinear Complexation: Crown Ether- and Poly(ethylene oxide)-Substituted Lutetium Bisphthalocyanines. <i>Journal of the American Chemical Society</i> , 1994 , 116, 5352-5361	16.4	103
131	Material challenges for solar cells in the twenty-first century: directions in emerging technologies. <i>Science and Technology of Advanced Materials</i> , 2018 , 19, 336-369	7.1	102
130	Synthesis, Structures, and Reactions of Titanium, Scandium, and Yttrium Complexes of Diamino-bis(phenolate) Ligands: Monomeric, Dimeric, Neutral, Cationic, and Multiply Bonded Derivatives. <i>Organometallics</i> , 2005 , 24, 309-330	3.8	88
129	Improved electrochromic performances of NiO based thin films by lithium addition: From single layers to devices. <i>Electrochimica Acta</i> , 2012 , 74, 46-52	6.7	87
128	Conductive F-doped Tin Dioxide Sol-Gel Materials from Fluorinated β -Diketonate Tin(IV) Complexes. Characterization and Thermolytic Behavior. <i>Chemistry of Materials</i> , 2000 , 12, 3419-3426	9.6	85
127	The Work Function of TiO ₂ . <i>Surfaces</i> , 2018 , 1, 73-89	2.9	84
126	Zirconium Complexes of Diamine Bis(phenolate) Ligands: Synthesis, Structures, and Solution Dynamics. <i>Organometallics</i> , 2002 , 21, 1367-1382	3.8	79
125	Near- and supercritical alcohols as solvents and surface modifiers for the continuous synthesis of cerium oxide nanoparticles. <i>Langmuir</i> , 2012 , 28, 16656-63	4	77
124	Band alignment investigations of heterostructure NiO/TiO nanomaterials used as efficient heterojunction earth-abundant metal oxide photocatalysts for hydrogen production. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 19279-19288	3.6	73
123	Nanocrystalline Mesoporous Tin Dioxide Prepared by the Sol-Gel Route from a Dialkoxydi(β -Diketonato)tin Complex. <i>Chemistry of Materials</i> , 2003 , 15, 4691-4697	9.6	65
122	A new single molecular precursor route to fluorine-doped nanocrystalline tin oxide anodes for lithium batteries. <i>Solid State Sciences</i> , 2001 , 3, 211-214		64
121	New Insights into the Photocatalytic Properties of RuO ₂ /TiO ₂ Mesoporous Heterostructures for Hydrogen Production and Organic Pollutant Photodecomposition. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 7006-7015	3.8	61
120	Size and shape fine-tuning of SnO ₂ nanoparticles for highly efficient and stable dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13789	13	61

119	Improved photocatalytic activity in RuO ₂ -ZnO nanoparticulate heterostructures due to inhomogeneous space charge effects. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 5090-102	3.6	59
118	Poly(oxyethylene)-Substituted Copper and Lutetium Phthalocyanines. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 11704-11710		54
117	Micro-bead of nano-crystalline F-doped SnO ₂ as a sensitive hydrogen gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2005 , 109, 264-269	8.5	53
116	Tin dioxide thin films prepared from a new alkoxyfluorotin complex including a covalent Sn-F bond. <i>Thin Solid Films</i> , 2001 , 388, 41-49	2.2	48
115	Low-Temperature UV-Processing of Nanocrystalline Nanoporous Thin TiO ₂ Films: An Original Route toward Plastic Electrochromic Systems. <i>Chemistry of Materials</i> , 2008 , 20, 7260-7267	9.6	44
114	Bridged Polystannoxane: A New Route toward Nanoporous Tin Dioxide. <i>Chemistry of Materials</i> , 2006 , 18, 6364-6372	9.6	44
113	Analysis of the interfacial characteristics of BiVO ₄ /metal oxide heterostructures and its implication on their junction properties. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 5086-5096	3.6	43
112	Low-temperature UV processing of nanoporous SnO ₂ layers for dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 1485-91	9.5	43
111	New Fluorinated Stannic Compounds as Precursors of F-Doped SnO(2) Materials Prepared by the Sol-Gel Route. <i>Inorganic Chemistry</i> , 1999 , 38, 4671-4679	5.1	43
110	A TIPS-TPDO-tetraCN-Based n-Type Organic Field-Effect Transistor with a Cross-linked PMMA Polymer Gate Dielectric. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 14701-8	9.5	43
109	Room Temperature UV treated WO ₃ thin films for electrochromic devices on paper substrate. <i>Electrochimica Acta</i> , 2014 , 129, 113-119	6.7	42
108	Fluorine-doped nanocrystalline SnO ₂ powders prepared via a single molecular precursor method as anode materials for Li-ion batteries. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 702-707	3.3	42
107	Tetrazole as a New Anchoring Group for the Functionalization of TiO ₂ Nanoparticles: A Joint Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 10677-10685	3.8	41
106	CeO ₂ nanocrystals from supercritical alcohols: new opportunities for versatile functionalizations?. <i>Langmuir</i> , 2014 , 30, 5965-72	4	39
105	In situ characterization of the coordination sphere of CuII complexes supported on silica during the preparation of Cu/SiO ₂ catalysts by cation exchange. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 2005-2014	3.6	39
104	Nanoscaled tin dioxide films processed from organotin-based hybrid materials: an organometallic route toward metal oxide gas sensors. <i>Nanoscale</i> , 2012 , 4, 6806-13	7.7	38
103	Functional crosslinked polymer particles synthesized by precipitation polymerization for liquid chromatography. <i>Journal of Chromatography A</i> , 2008 , 1179, 2-8	4.5	38
102	Finely Tuned SnO Nanoparticles for Efficient Detection of Reducing and Oxidizing Gases: The Influence of Alkali Metal Cation on Gas-Sensing Properties. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10173-10184	9.5	36

101	Immobilization of ionic liquids in translucent tin dioxide monoliths by sol-gel processing. <i>Dalton Transactions</i> , 2009 , 1307-13	4.3	36
100	Organic-inorganic Sn ₁₂ and organic Sn ₆ oxide-hydroxide clusters. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1255-8	16.4	36
99	A simple route towards low-temperature processing of nanoporous thin films using UV-irradiation: Application for dye solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 205, 70-76	4.7	34
98	Tin Dioxide Materials Chemically Modified with Trialkynylorganotins: Functional Nanohybrids for Photovoltaic Applications. <i>Advanced Materials</i> , 2006 , 18, 1073-1077	24	34
97	Self-assembled tin-based bridged hybrid materials. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8130-1	16.4	33
96	Alkylchlorotins grafted to cross-linked polystyrene beads by a -(CH ₂) _n - spacer (n=4, 6, 11): selective, clean and recyclable catalysts for transesterification reactions. <i>Chemistry - A European Journal</i> , 2005 , 11, 2455-61	4.8	32
95	p-Doping of a Hole Transport Material via a Poly(ionic liquid) for over 20% Efficiency and Hysteresis-Free Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020 , 3, 1393-1401	6.1	31
94	Semiconductivity and gas-sensing properties of crown-ether-substituted lutetium bisphthalocyanines. <i>Sensors and Actuators B: Chemical</i> , 1995 , 26, 150-152	8.5	31
93	Tuning visible-light absorption properties of Ru ^{II} diacetylides complexes: simple access to colorful efficient dyes for DSSCs. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 18256-18264	13	30
92	Ionoelectronics. Pillarlike Aggregates Formed via Highly Nonlinear Complexation Processes. A Light-Scattering Study. <i>Journal of the American Chemical Society</i> , 1997 , 119, 9191-9197	16.4	30
91	Dichlorodistannoxane transesterification catalysts, pure Lewis acids. <i>Chemical Communications</i> , 2003 , 1428-9	5.8	30
90	The first mixed-valence fluorotin alkoxides: new sol-gel precursors of fluorine-doped tin oxide materials. <i>Inorganic Chemistry</i> , 2000 , 39, 3924-7	5.1	30
89	Push-pull ruthenium diacetylides complexes: new dyes for p-type dye-sensitized solar cells. <i>RSC Advances</i> , 2016 , 6, 19928-19936	3.7	29
88	Functionalization of a ruthenium-diacetylides organometallic complex as a next-generation push-pull chromophore. <i>Chemistry - A European Journal</i> , 2014 , 20, 7017-24	4.8	29
87	A General Route to Alkylene-, Arylene-, or Benzylene-Bridged Ditin Hexachlorides and Hexaalkynides. <i>Organometallics</i> , 2002 , 21, 4590-4594	3.8	29
86	TIPS-triphenodioxazine versus TIPS-pentacene: Enhanced electron mobility for n-type organic field-effect transistors. <i>Organic Electronics</i> , 2012 , 13, 1392-1400	3.5	27
85	Structural and optical properties of vanadium doped SnO ₂ nanoparticles synthesized by the polyol method. <i>Optical Materials</i> , 2016 , 54, 139-146	3.3	26
84	Fine-tuning of triarylamine-based photosensitizers for dye-sensitized solar cells. <i>ChemSusChem</i> , 2011 , 4, 731-6	8.3	25

83	Electrochemical detection of 2-nitrophenol using a heterostructure ZnO/RuO nanoparticle modified glassy carbon electrode.. <i>RSC Advances</i> , 2019 , 10, 122-132	3.7	25
82	Hybrid organotin and tin oxide-based thin films processed from alkynylorganotin: synthesis, characterization, and gas sensing properties. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 17093-1019.5	9.5	24
81	Influence of zinc doping on the photocatalytic activity of nanocrystalline SnO ₂ particles synthesized by the polyol method for enhanced degradation of organic dyes. <i>Journal of Alloys and Compounds</i> , 2017 , 729, 638-647	5.7	24
80	Vanadium doped SnO ₂ nanoparticles for photocatalytic degradation of methylene blue. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 15826-15834	2.1	24
79	Substituted bis(phthalocyanines): electrochemical properties and probe beam deflection (mirage) studies. <i>New Journal of Chemistry</i> , 1999 , 23, 1001-1006	3.6	24
78	CeO ₂ nanopowders as solid sorbents for efficient CO ₂ capture/release processes. <i>Journal of CO₂ Utilization</i> , 2017 , 20, 52-58	7.6	23
77	Pinning of the Fermi Level in CuFeO ₂ by Polaron Formation Limiting the Photovoltage for Photochemical Water Splitting. <i>Advanced Functional Materials</i> , 2020 , 30, 1910432	15.6	23
76	New Group 4 Organometallic and Imido Compounds of Diamide-Diamine and Related Dianionic O ₂ N ₂ -Donor Ligands. <i>Organometallics</i> , 2005 , 24, 5586-5603	3.8	23
75	Fermi Level Positions and Induced Band Bending at Single Crystalline Anatase (101) and (001) Surfaces: Origin of the Enhanced Photocatalytic Activity of Facet Engineered Crystals. <i>Advanced Energy Materials</i> , 2018 , 8, 1802195	21.8	23
74	Energy-Band Alignment of BiVO ₄ from Photoelectron Spectroscopy of Solid-State Interfaces. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 20861-20870	3.8	22
73	Structure and absorption properties of the C212 dye chemisorbed onto the TiO ₂ (101) anatase surface. <i>Chemical Physics Letters</i> , 2013 , 556, 151-157	2.5	20
72	Low-temperature H ₂ sensing in self-assembled organotin thin films. <i>Chemical Communications</i> , 2011 , 47, 1464-6	5.8	20
71	Efficient bismuth catalysts for transcarbamoylation. <i>Tetrahedron Letters</i> , 2002 , 43, 6305-6307	2	20
70	H ₂ -Evolving Dye-Sensitized Photocathode Based on a RutheniumDiacetylide/Cobaloxime Supramolecular Assembly. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4971-4980	6.1	18
69	Nitrile Substitution Effect on Triphenodioxazine-Based Materials for Liquid-Processed Air-Stable n-Type Organic Field Effect Transistors. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500072	6.4	18
68	New n-type molecular semiconductor/doped insulator (MSDI) heterojunctions combining a triphenodioxazine (TPDO) and the lutetium bisphthalocyanine (LuPc ₂) for ammonia sensing. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 1694-1700	8.5	18
67	Design and synthesis of novel organometallic dyes for NiO sensitization and photo-electrochemical applications. <i>Dalton Transactions</i> , 2016 , 45, 12539-47	4.3	18
66	Photoelectrochemical behaviour of a dye-grafted nanocrystalline SnO ₂ powder. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 572, 249-255	4.1	17

65	Electrochemistry of a new carbon-rich fluorine-doped tin oxide (CFTO) material as a powder electrode in chloride electrolytes. <i>Electrochimica Acta</i> , 2002 , 47, 1385-1394	6.7	17
64	Combined computational and experimental study of carbazole dyes for iodide- and cobalt-based ZnO DSSCs. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 341, 69-77	4.7	16
63	Nickel Oxide Selectively Deposited on the {101} Facet of Anatase TiO ₂ Nanocrystal Bipyramids for Enhanced Photocatalysis. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4793-4803	5.6	16
62	Textural, structural and electrical properties of SnO ₂ nanoparticles prepared by the polyol method. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 1612-1618	2.1	15
61	New synthetic routes towards soluble and dissymmetric triphenodioxazine dyes designed for dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , 2014 , 20, 3678-88	4.8	15
60	Oligocarbazole-based chromophores for efficient thin-film dye-sensitized solar cells. <i>ChemSusChem</i> , 2013 , 6, 993-6	8.3	15
59	Image processing for the characterization of porous silicon nanostructure. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009 , 6, 1675-1679		15
58	Sn(3) and Sn(10) sulfonate-oxide-hydroxide clusters with two different sulfonate binding modes. <i>Dalton Transactions</i> , 2007 , 3121-3	4.3	15
57	Functionalization of Silica Gel with Organotrialkynyltins: New Method of Covalent Attachment of Organic Groups on Silica Gel. <i>Chemistry of Materials</i> , 2005 , 17, 1803-1811	9.6	15
56	Thermally Induced Elimination Reactions in Xerosols Derived from (Fluoroorgano)tin Compounds: A New Efficient Way To Prepare F-Doped Tin Dioxide Materials. <i>Chemistry of Materials</i> , 2000 , 12, 3100-3107	8.6	15
55	Iono-electronics: crown ether substituted lutetium bisphthalocyanines. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 75		15
54	Molecular engineering of carbazole-fluorene sensitizers for high open-circuit voltage DSSCs: Synthesis and performance comparison with iodine and cobalt electrolytes. <i>Dyes and Pigments</i> , 2015 , 118, 76-87	4.6	14
53	A doubly folded spacer in a self-assembled hybrid material. <i>Chemical Communications</i> , 2006 , 1304-6	5.8	14
52	Investigations in the catalytic species of the distannoxane-catalyzed transcarbamoylation. <i>Tetrahedron Letters</i> , 2003 , 44, 5983-5985	2	14
51	New Perylene-Substituted Organotrialkynyltin Compounds for the Photosensitization of Tin Dioxide. <i>Organometallics</i> , 2003 , 22, 4584-4592	3.8	14
50	Effect of hydrolysis ratio on structural, optical and electrical properties of SnO ₂ nanoparticles synthesized by polyol method. <i>Optical Materials</i> , 2016 , 58, 142-150	3.3	13
49	Particle growth of hybrid materials followed by dynamic light scattering. <i>Langmuir</i> , 2007 , 23, 785-9	4	13
48	Graphite-type activated carbon from coconut shell: a natural source for eco-friendly non-volatile storage devices.. <i>RSC Advances</i> , 2021 , 11, 2854-2865	3.7	13

47	Modifying the Flexibility of Water Cages by Co-Including Acidic Species within Clathrate Hydrate. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8904-8911	3.8	12
46	Computational design of new organic (D _A) dyes based on benzothiadiazole for photovoltaic applications, especially dye-sensitized solar cells. <i>Research on Chemical Intermediates</i> , 2020 , 46, 3247-3262	2.8	12
45	Tuning bimodal porosity in TiO ₂ photoanodes towards efficient solid-state dye-sensitized solar cells comprising polysiloxane-based polymer electrolyte. <i>Microporous and Mesoporous Materials</i> , 2019 , 273, 226-234	5.3	12
44	Effect of Thermal Treatment on the Textural Properties of CeO ₂ Powders Synthesized in Near- and Supercritical Alcohols. <i>ChemPhysChem</i> , 2015 , 16, 3493-9	3.2	12
43	Infrared absorption by molecular gases to probe porous materials and comparisons with other techniques. <i>Microporous and Mesoporous Materials</i> , 2017 , 237, 31-37	5.3	11
42	η-Bis(trialkynyltin) Compounds with a Linear or Cross-Shaped Spacer. <i>Organometallics</i> , 2007 , 26, 3908-3917	3.7	10
41	Sunlight Selective Photodeposition of CoO(OH) and NiO(OH) on Truncated Bipyramidal BiVO ₄ for Highly Efficient Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2020 ,	9.5	10
40	A new route towards nanoporous TiO ₂ as powders or thin films from the thermal treatment of titanium-based hybrid materials. <i>Dalton Transactions</i> , 2012 , 41, 292-9	4.3	9
39	Silica-anchored organotin trichloride: a recyclable and clean organotin catalyst for transesterification reactions. <i>Dalton Transactions</i> , 2013 , 42, 9764-70	4.3	8
38	Linear or cross-shaped di(cyclopentadienyltitanium) compounds with aryl or heteroaryl spacers. <i>Dalton Transactions</i> , 2011 , 40, 457-62	4.3	8
37	Organic-Inorganic Sn ₁₂ and Organic Sn ₆ Oxide-Hydroxide Clusters. <i>Angewandte Chemie</i> , 2006 , 118, 1277-1280	3.6	8
36	Nanocrystalline F-doped tin dioxide materials: texture, morphology and photosensitization with a perylene-substituted organotin. <i>Journal of Fluorine Chemistry</i> , 2004 , 125, 1247-1254	2.1	8
35	Synthesis and characterization of multi-wall silica nanospheres. <i>Materials Letters</i> , 2005 , 59, 817-820	3.3	8
34	Rapid synthesis of ultra-long silver nanowires for high performance transparent electrodes. <i>Nanoscale Advances</i> , 2020 , 2, 3804-3808	5.1	8
33	Molecular engineering of ruthenium-diacetylide organometallic complexes towards efficient green dye for DSSC. <i>Dyes and Pigments</i> , 2018 , 158, 326-333	4.6	8
32	Ionic-Liquid-like Polysiloxane Electrolytes for Highly Stable Solid-State Dye-Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4106-4114	6.1	7
31	Alkynylorganotins, versatile precursors of class II hybrid materials. <i>Applied Organometallic Chemistry</i> , 2007 , 21, 514-520	3.1	7
30	Bimodal titanium oxide photoelectrodes with tuned porosity for improved light harvesting and polysiloxane-based polymer electrolyte infiltration. <i>Solar Energy</i> , 2019 , 178, 98-107	6.8	7

29	Supercritical CO ₂ -assisted deposition of NiO on (101)-anatase-TiO ₂ for efficient facet engineered photocatalysts. <i>New Journal of Chemistry</i> , 2018 , 42, 18649-18658	3.6	7
28	Efficiency enhancement in solid state dye sensitized solar cells by including inverse opals with controlled layer thicknesses. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2016 , 21, 13-18	2.6	6
27	FLUORINATED ORGANOTINS AS PRECURSORS OF F-DOPED TIN DIOXIDE. <i>Main Group Metal Chemistry</i> , 2002 , 25,	1.6	6
26	pH-Mediated Colorimetric and Luminescent Sensing of Aqueous Nitrate Anions by a Platinum(II) Luminophore@Mesoporous Silica Composite. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 16197-16209	8.5	6
25	Post-functionalization of polyvinylcarbazoles: An open route towards hole transporting materials for perovskite solar cells. <i>Solar Energy</i> , 2019 , 193, 878-884	6.8	5
24	One-pot easily-processed TiO ₂ macroporous photoanodes (Ti-HIPE) for dye-sensitized solar cells. <i>Solid State Sciences</i> , 2014 , 28, 81-89	3.4	5
23	Self-assembled titanium-based hybrids with cyclopentadienyl-titanium network bonding. <i>Chemical Communications</i> , 2011 , 47, 5001-3	5.8	5
22	Studies on the disproportionation of trichloromethyltin. <i>Applied Organometallic Chemistry</i> , 2003 , 17, 631-634	3.1	5
21	Discovering the Determining Parameters for the Photocatalytic Activity of TiO ₂ Colloids Based on an Anomalous Dependence on the Specific Surface Area. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800216	3.1	5
20	A new spacer-induced organization in highly ordered tin-based hybrid materials. <i>Dalton Transactions</i> , 2009 , 4429-31	4.3	4
19	Synthesis and Characterization of Lipophilic Organotins. Application to the Functionalization of Silica Gel. <i>Organometallics</i> , 2007 , 26, 5576-5580	3.8	4
18	Tin-based hybrid materials with a two-level structural hierarchy. <i>Journal of Sol-Gel Science and Technology</i> , 2008 , 48, 6-10	2.3	3
17	A discrete unsymmetrically substituted dihydrodioxadistannetane with both π and intramolecular σ sulfonate bondings. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 3383-3386	2.3	2
16	Alkylchlorotins Grafted to Cross-Linked Polystyrene Beads by a $-(CH_2)_n-$ Spacer (n=4, 6, 11): Selective, Clean and Recyclable Catalysts for Transesterification Reactions. <i>Chemistry - A European Journal</i> , 2005 , 11, 3500-3500	4.8	2
15	Photoelectrochemical properties of WO ₃ -modified anatase TiO ₂ photoanodes and application for dye-sensitized solar cells. <i>Surfaces and Interfaces</i> , 2021 , 27, 101543	4.1	2
14	Biomass-derived carbon electrodes for supercapacitors and hybrid solar cells: towards sustainable photo-supercapacitors. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 4784-4806	5.8	2
13	Remarkable 8.3% efficiency and extended electron lifetime towards highly stable semi-transparent iodine-free DSSCs by mitigating the in-situ triiodide generation. <i>Chemical Engineering Journal</i> , 2022 , 136177	11.7	2
12	Low Temperature Preparation Routes of Nanoporous Semi-Conducting Films for Flexible Dye-Sensitized Solar Cells. <i>ACS Symposium Series</i> , 2013 , 143-172	0.4	1

11	Materials Chemistry and Structural Chemistry of Tin Compounds	285-411		1
10	Dichlorobis(pyridine-kappa N)bis(3,3,3-trifluoropropyl-kappa C(1))tin(IV). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002 , 58, m363-4			1
9	Tin-Based Hybrid Materials as Precursors of Mesoporous Tin Oxide. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 726, 1			1
8	Functional Organotin Alkynides as Precursors of Tin-Based Hybrid Materials. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 628, 1			1
7	Sensing of Airborne Infochemicals for Green Pest Management: What Is the Challenge?. <i>ACS Sensors</i> , 2021 , 6, 3824-3840		9.2	1
6	Porosity induced rigidochromism in platinum(II) terpyridyl luminophores immobilized at silica composites. <i>Journal of Materials Chemistry C</i> ,		7.1	1
5	Incorporating W cations into ZnO nanosheets: an efficient method towards ZnO/ZnWO ₄ photocatalysts for highly effective degradation of organic compounds under UV and visible-light irradiation. <i>New Journal of Chemistry</i> , 2021 , 45, 11051-11067		3.6	1
4	Plasticized I ² -free polysiloxane ionic conductors as electrolytes for stable and flexible solid-state dye-sensitized solar cells. <i>Applied Surface Science Advances</i> , 2021 , 5, 100120		2.6	1
3	Electrochemical and Spectroelectrochemical Behavior of a Tetracyanotriphenodioxazine in Solution and Thin-Films. <i>ChemElectroChem</i> , 2018 , 5, 2863-2872		4.3	
2	Fluorine-doped tin oxide electrodes for lithium batteries	2005 , 103-123		
1	Dye-Sensitization of Tin Dioxide via the Functionalization of Oxide Surfaces with Trialkynylorganotins. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 876, 1			