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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.

288 papers	13,719 citations	50 h-index	109 g-index
324 ext. papers	14,654 ext. citations	6.9 avg, IF	6.74 L-index

#	Paper	IF	Citations
288	An overview of semiconductor photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997 , 108, 1-35	4.7	2895
287	Water purification by semiconductor photocatalysis. <i>Chemical Society Reviews</i> , 1993 , 22, 417	58.5	1213
286	Photobleaching of methylene blue sensitised by TiO ₂ : an ambiguous system?. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999 , 127, 123-134	4.7	334
285	A web-based overview of semiconductor photochemistry-based current commercial applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002 , 152, 233-247	4.7	298
284	Oxygen indicators and intelligent inks for packaging food. <i>Chemical Society Reviews</i> , 2005 , 34, 1003-11	58.5	264
283	Characterisation of the photocatalyst Pilkington Activia reference film photocatalyst?. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003 , 160, 213-224	4.7	251
282	Overview of the current ISO tests for photocatalytic materials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 237, 7-23	4.7	197
281	Novel TiO ₂ CVD films for semiconductor photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002 , 151, 171-179	4.7	192
280	Controlling the Response Characteristics of Luminescent Porphyrin Plastic Film Sensors for Oxygen. <i>Analytical Chemistry</i> , 1997 , 69, 4653-4659	7.8	190
279	Equilibrium studies on colorimetric plastic film sensors for carbon dioxide. <i>Analytical Chemistry</i> , 1992 , 64, 1383-1389	7.8	189
278	Thick titanium dioxide films for semiconductor photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003 , 160, 185-194	4.7	186
277	Light-driven oxygen scavenging by titania/polymer nanocomposite films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 162, 253-259	4.7	161
276	Photo-oxidation of water sensitized by WO ₃ powder. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1982 , 78, 359		160
275	Photomineralization of 4-chlorophenol sensitized by titanium dioxide: a study of the initial kinetics of carbon dioxide photogeneration. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993 , 71, 75-83	4.7	158
274	Simultaneous monitoring of the destruction of stearic acid and generation of carbon dioxide by self-cleaning semiconductor photocatalytic films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006 , 182, 181-186	4.7	143
273	Titania and tungsten doped titania thin films on glass; active photocatalysts. <i>Polyhedron</i> , 2003 , 22, 35-44	2.7	143
272	Photosensitized dissociation of water using dispersed suspensions of n-type semiconductors. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1982 , 78, 3659		143

271	Photomineralisation of 4-chlorophenol sensitised by titanium dioxide: a study of the intermediates. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993 , 70, 183-191	4.7	142
270	Novel UV-Activated Colorimetric Oxygen Indicator. <i>Chemistry of Materials</i> , 2005 , 17, 2744-2751	9.6	121
269	Fluorescence plastic thin-film sensor for carbon dioxide. <i>Analyst, The</i> , 1993 , 118, 839	5	109
268	An overview of the methylene blue ISO test for assessing the activities of photocatalytic films. <i>Applied Catalysis B: Environmental</i> , 2012 , 128, 144-149	21.8	106
267	Comparison of non-invasive NIR and Raman spectrometries for determination of alcohol content of spirits. <i>Analytica Chimica Acta</i> , 2005 , 548, 148-158	6.6	105
266	Nanocrystalline SnO ₂ -based, UVB-activated, colourimetric oxygen indicator. <i>Sensors and Actuators B: Chemical</i> , 2009 , 136, 344-349	8.5	102
265	Photochemical reduction of oxygen adsorbed to nanocrystalline TiO ₂ films: a transient absorption and oxygen scavenging study of different TiO ₂ preparations. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 23255-63	3.4	101
264	Preparation and characterisation of novel thick sol-gel titania film photocatalysts. <i>Photochemical and Photobiological Sciences</i> , 2003 , 2, 591-6	4.2	99
263	Bromate removal from drinking water by semiconductor photocatalysis. <i>Water Research</i> , 1996 , 30, 1973-1978	12.7	91
262	Photomineralisation of 4-chlorophenol sensitised by TiO ₂ thin films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998 , 118, 53-63	4.7	90
261	Characterisation and activity of sol-gel-prepared TiO ₂ photocatalysts modified with Ca, Sr or Ba ion additives. <i>Journal of Materials Chemistry</i> , 2000 , 10, 2358-2363		85
260	Breath-by-breath measurement of carbon dioxide using a plastic film optical sensor. <i>Sensors and Actuators B: Chemical</i> , 1997 , 39, 419-425	8.5	81
259	Novel photochemistry of leuco-Methylene Blue. <i>Chemical Communications</i> , 2003 , 2366-7	5.8	81
258	Powder semiconductor photocatalysis in aqueous solution: An overview of kinetics-based reaction mechanisms. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 310, 66-105	4.7	80
257	Effect of alkali on methylene blue (C.I. Basic Blue 9) and other thiazine dyes. <i>Dyes and Pigments</i> , 2011 , 88, 149-155	4.6	80
256	Photodecomposition of ozone sensitised by a film of titanium dioxide on glass. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003 , 155, 199-205	4.7	80
255	Kinetics and mechanism of a fast leuco-Methylene Blue oxidation by copper(II) halide species in acidic aqueous media. <i>Dalton Transactions</i> , 2003 , 348-353	4.3	80
254	Fluorescence-based Thin Plastic Film Ion-pair Sensors for Oxygen. <i>Analyst, The</i> , 1997 , 122, 63-68	5	79

253	Heterogeneous redox catalysts for oxygen and chlorine evolution. <i>Chemical Society Reviews</i> , 1989 , 18, 285	58.5	76
252	Current and possible future methods of assessing the activities of photocatalyst films. <i>Catalysis Today</i> , 2007 , 129, 22-28	5.3	75
251	Dependence of the kinetics of liquid-phase photocatalyzed reactions on oxygen concentration and light intensity. <i>Journal of Catalysis</i> , 2006 , 243, 1-6	7.3	73
250	Method of rapid assessment of photocatalytic activities of self-cleaning films. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 18324-31	3.4	72
249	Atmospheric pressure chemical vapour deposition of titanium dioxide coatings on glass. <i>Journal of Materials Chemistry</i> , 2003 , 13, 56-60		70
248	Anatase Thin Films on Glass from the Chemical Vapor Deposition of Titanium(IV) Chloride and Ethyl Acetate. <i>Chemistry of Materials</i> , 2003 , 15, 46-50	9.6	70
247	An intelligence ink for photocatalytic films. <i>Chemical Communications</i> , 2005 , 2721-3	5.8	67
246	A study of new photocatalyst indicator inks. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 193, 228-236	4.7	66
245	Controlling the sensitivity of optical oxygen sensors. <i>Sensors and Actuators B: Chemical</i> , 1998 , 51, 60-68	8.5	65
244	Spectral and photocatalytic characteristics of TiO ₂ CVD films on quartz. <i>Photochemical and Photobiological Sciences</i> , 2002 , 1, 865-8	4.2	65
243	The nitric oxide ISO photocatalytic reactor system: Measurement of NO _x removal activity and capacity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 305, 29-36	4.7	62
242	Correlation of oxidative and reductive dye bleaching on TiO ₂ photocatalyst films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 203, 119-124	4.7	53
241	Plastic colorimetric film sensors for gaseous ammonia. <i>Mikrochimica Acta</i> , 1995 , 121, 225-236	5.8	53
240	Photomineralization of salicylic acid: a kinetic study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994 , 83, 257-263	4.7	52
239	Demonstration of a novel, flexible, photocatalytic oxygen-scavenging polymer film. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006 , 177, 328-331	4.7	50
238	Persulphate quenching of the excited state of ruthenium(II) tris-bipyridyl dication: thermal reactions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994 , 80, 299-305	4.7	50
237	An intelligence ink for oxygen. <i>Chemical Communications</i> , 2004 , 1912-3	5.8	49
236	An O ₂ smart plastic film for packaging. <i>Analyst, The</i> , 2012 , 137, 106-12	5	48

235	The photo-oxidation of water by sodium persulfate, and other electron acceptors, sensitised by TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 165, 25-34	4.7	48
234	Tris-dependent oxidative DNA strand scission during electrophoresis. <i>Electrophoresis</i> , 1995 , 16, 888-94	3.6	48
233	Self-cleaning titania films: an overview of direct, lateral and remote photo-oxidation processes. <i>Research on Chemical Intermediates</i> , 2005 , 31, 295-308	2.8	47
232	Action spectra of P25 TiO ₂ and a visible light absorbing, carbon-modified titania in the photocatalytic degradation of stearic acid. <i>Applied Catalysis B: Environmental</i> , 2014 , 150-151, 338-344	21.8	46
231	Visible illustration of the direct, lateral and remote photocatalytic destruction of soot by titania. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 162, 203-206	4.7	45
230	Simple inkjet-printed, UV-activated oxygen indicator. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 115481-59	1.59	44
229	A simple, inexpensive method for the rapid testing of the photocatalytic activity of self-cleaning surfaces. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013 , 272, 18-20	4.7	44
228	Predicting the UV-vis spectra of oxazine dyes. <i>Beilstein Journal of Organic Chemistry</i> , 2011 , 7, 432-41	2.5	44
227	A solvent-based intelligence ink for oxygen. <i>Analyst, The</i> , 2008 , 133, 213-8	5	44
226	Kinetics of liquid phase semiconductor photoassisted reactions: supporting observations for a pseudo-steady-state model. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 14386-90	3.4	44
225	Tuning colourimetric and fluorimetric gas sensors for carbon dioxide. <i>Analytica Chimica Acta</i> , 1994 , 285, 113-123	6.6	44
224	Modelled diffusion-controlled response and recovery behaviour of a naked optical film sensor with a hyperbolic-type response to analyte concentration. <i>Analyst, The</i> , 1992 , 117, 1461	5	44
223	Optimization of a simple system for the oxidation of octan-2-ol with sodium bromate, mediated by ruthenium tetroxide generated in situ. <i>Journal of Organic Chemistry</i> , 1988 , 53, 1103-1107	4.2	44
222	Colourimetric plastic film indicator for the detection of the volatile basic nitrogen compounds associated with fish spoilage. <i>Talanta</i> , 2019 , 194, 830-836	6.2	44
221	The alteration of the structural properties and photocatalytic activity of TiO ₂ following exposure to non-linear irradiation sources. <i>Applied Catalysis B: Environmental</i> , 2003 , 44, 173-184	21.8	43
220	Optimisation of the rate of hydrogen production from the tris(2,2'-bipyridyl)ruthenium(II) photosensitised reduction of methyl viologen. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1981 , 77, 2111-2124		43
219	Titania-promoted carboxylic acid alkylations of alkenes and cascade addition-cyclizations. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1386-98	4.2	42
218	Weathering tests of photocatalytic facade paints containing ZnO and TiO ₂ . <i>Chemical Engineering Journal</i> , 2015 , 261, 83-87	14.7	40

217	Effect of plasticizer viscosity on the sensitivity of an [Ru(bpy) ₃] ²⁺ -(Ph ₄ B) ₁₂]-based optical oxygen sensor. <i>Analyst, The</i> , 1998 , 123, 1135-1140	5	39
216	Simple method for the rapid simultaneous screening of photocatalytic activity over multiple positions of self-cleaning films. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 8367-75	3.6	38
215	Use of Luminescent Gold Compounds in the Design of Thin-Film Oxygen Sensors. <i>Analytical Chemistry</i> , 1997 , 69, 2842-2847	7.8	38
214	A kinetic study of the bleaching of rhodamine 6G photosensitized by titanium dioxide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994 , 79, 131-139	4.7	38
213	Photomineralisation of 4-chlorophenol sensitised by titanium dioxide: a study of the effect of annealing the photocatalyst at different temperatures. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993 , 71, 285-289	4.7	38
212	A simple, novel method for preparing an effective water oxidation catalyst. <i>Chemical Communications</i> , 2010 , 46, 2397-8	5.8	36
211	Thick titania films for semiconductor photocatalysis. <i>Journal of Applied Electrochemistry</i> , 2005 , 35, 641-653	5.3	36
210	Water-based colourimetric optical indicators for the detection of carbon dioxide. <i>Analyst, The</i> , 2010 , 135, 1912-7	5	35
209	Atmospheric pressure chemical vapour deposition of thin films of Nb ₂ O ₅ on glass. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2952		35
208	Photosensitized oxidation of water by CdS-based suspensions. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989 , 85, 503		35
207	Action spectra in semiconductor photocatalysis. <i>Chemical Society Reviews</i> , 2017 , 46, 4877-4894	58.5	34
206	Effect of plasticizer-polymer compatibility on the response characteristics of optical thin CO ₂ and O ₂ sensing films. <i>Analytica Chimica Acta</i> , 1998 , 362, 193-202	6.6	34
205	Characterization of novel Ag on TiO ₂ films for surface-enhanced Raman scattering. <i>Applied Spectroscopy</i> , 2004 , 58, 922-8	3.1	34
204	Determining the importance of the electrode support and fabrication method during the initial screening process of an active catalyst for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14162-14169	13	34
203	Photocatalytic degradation of 4-chlorophenol mediated by TiO ₂ : a comparative study of the activity of laboratory made and commercial TiO ₂ samples. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994 , 84, 305-309	4.7	33
202	Optical sensors for oxygen: a log-gaussian multisite-quenching model. <i>Sensors and Actuators B: Chemical</i> , 1998 , 51, 69-76	8.5	32
201	Photocatalytic activity indicator inks for probing a wide range of surfaces. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014 , 290, 63-71	4.7	31
200	Photocatalytic oxidation of soot by P25 TiO ₂ films. <i>Chemosphere</i> , 2006 , 64, 1032-5	8.4	31

199	Effect of glass substrate and deposition technique on the properties of sol gel TiO ₂ thin films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 222, 81-86	4.7	30
198	Kinetics and mechanism of thermal oxidation of sialon ceramic powders. <i>Thermochimica Acta</i> , 1998 , 318, 91-100	2.9	30
197	A comparative study of three techniques for determining photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007 , 188, 387-391	4.7	30
196	Thin plastic film colorimetric sensors for carbon dioxide: effect of plasticizer on response. <i>Analyst, The</i> , 1996 , 121, 535	5	30
195	Thermally activated ruthenium dioxide hydrate. A reproducible, stable oxygen catalyst. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1987 , 83, 2331		30
194	Alkaline hydrolysis of trinitrotoluene, TNT. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 3921	3.6	29
193	Modification and enhanced photocatalytic activity of TiO ₂ following exposure to non-linear irradiation sources. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999 , 122, 69-71	4.7	29
192	Activation energies in semiconductor photocatalysis for water purification: the 4-chlorophenol-TiO ₂ ?O ₂ photosystem. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1995 , 85, 173-178	4.7	29
191	Luminescence temperature sensing using poly(vinyl alcohol)-encapsulated Ru(bpy) ₃ 2+ films. <i>Analyst, The</i> , 2006 , 131, 495-500	5	28
190	Methyl orange as a probe of the semiconductor electrolyte interfaces in CdS suspensions. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1987 , 83, 2647		28
189	Photoreduction of water sensitised by Rose Bengal. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1986 , 82, 2291		28
188	Adsorption and photocatalysed destruction of cationic and anionic dyes on mesoporous titania films: Reactions at the air solid interface. <i>Applied Catalysis B: Environmental</i> , 2009 , 89, 189-195	21.8	27
187	Photocatalytically Active WO ₃ Films from Atmospheric Pressure CVD of WOCl ₄ with Ethyl Acetate or Ethanol. <i>Chemical Vapor Deposition</i> , 2004 , 10, 136-141		27
186	Colorimetric polymer film sensors for dissolved carbon dioxide. <i>Sensors and Actuators B: Chemical</i> , 1994 , 21, 83-89	8.5	27
185	Platinisation of semiconductor particles. <i>Journal of the Chemical Society Chemical Communications</i> , 1982 , 367		27
184	Reductive photocatalysis and smart inks. <i>Chemical Society Reviews</i> , 2015 , 44, 2849-64	58.5	26
183	Reversible, fluorescence-based optical sensor for hydrogen peroxide. <i>Analyst, The</i> , 2007 , 132, 566-71	5	26
182	Response characteristics of optical sensors for oxygen: models based on a distribution in δ or k_q . <i>Analyst, The</i> , 1999 , 124, 1301-1307	5	26

181	Comparative study of new and established heterogeneous oxygen catalysts. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991 , 87, 1245		26
180	Antibacterial titania-based photocatalytic extruded plastic films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 299, 159-165	4.7	25
179	Atmospheric pressure chemical vapour deposition of boron doped titanium dioxide for photocatalytic water reduction and oxidation. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 16788-94	3.6	25
178	UV dosimetry for solar water disinfection (SODIS) carried out in different plastic bottles and bags. <i>Sensors and Actuators B: Chemical</i> , 2015 , 208, 608-615	8.5	25
177	Optical measurements of ion trajectories through the vacuum interface of an inductively coupled plasma mass spectrometer. <i>Applied Spectroscopy</i> , 2004 , 58, 463-7	3.1	25
176	IONIC STRENGTH EFFECTS ON THE GROUND STATE COMPLEXATION and TRIPLET STATE ELECTRON TRANSFER REACTION BETWEEN ROSE BENGAL and METHYL VIOLOGEN. <i>Photochemistry and Photobiology</i> , 1990 , 52, 473-479	3.6	25
175	Highly CO ₂ sensitive extruded fluorescent plastic indicator film based on HPTS. <i>Analyst, The</i> , 2016 , 141, 999-1008	5	24
174	An investigation into the effect of thickness of titanium dioxide and gold/silver nanoparticle titanium dioxide composite thin-films on photocatalytic activity and photo-induced oxygen production in a sacrificial system. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6854		24
173	Novel photocatalyst-based colourimetric indicator for oxygen: Use of a platinum catalyst for controlling response times. <i>Sensors and Actuators B: Chemical</i> , 2011 , 157, 600-605	8.5	23
172	A comprehensive aerosol spray method for the rapid photocatalytic grid area analysis of semiconductor photocatalyst thin films. <i>Analytica Chimica Acta</i> , 2010 , 663, 69-76	6.6	23
171	Chemical influences on the luminescence of ruthenium diimine complexes and its response to oxygen. <i>Thin Solid Films</i> , 1997 , 306, 163-170	2.2	23
170	Novel photocatalyst-based colourimetric indicator for oxygen. <i>Catalysis Today</i> , 2011 , 161, 59-63	5.3	22
169	Heterogeneous redox catalysis: A novel route for removing bromate ions from water. <i>Water Research</i> , 1995 , 29, 2181-2185	12.5	22
168	Kinetics of the photocatalysed oxidation of NO in the ISO 22197 reactor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 321, 137-142	4.7	22
167	Photocatalytic oxidation of pollutants in gas-phase via Ag ₃ PO ₄ -based semiconductor photocatalysts: Recent progress, new trends, and future perspectives. <i>Critical Reviews in Environmental Science and Technology</i> , 1-44	11.1	22
166	Correlation between Abs, RGB (red) and stearic acid destruction rates using commercial self-cleaning glass as the photocatalyst. <i>Catalysis Today</i> , 2014 , 230, 245-249	5.3	21
165	The Comparative Solvatochromism of Arylazo and Heteroarylazo Compounds Based On N,N-Diethyl-m-acetylaminoaniline and N,N-Diethyl-m-toluidine. <i>Chemistry - A European Journal</i> , 1997 , 3, 1719-1727	4.8	21
164	Characterisation of an RuO ₂ ·xH ₂ O colloid and evaluation of its ability to mediate the oxidation of water. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1988 , 84, 379		21

163	Novel temperature-activated humidity-sensitive optical sensor. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 1009-1015	8.5	20
162	The Kinetics of Semiconductor Photocatalysis: Light Intensity Effects. <i>Zeitschrift Fur Physikalische Chemie</i> , 1999 , 213, 49-58	3.1	20
161	Response characteristics of optical sensors for oxygen: a model based on a distribution in δ and k_q . <i>Analyst, The</i> , 1999 , 124, 1309-1314	5	20
160	Assessment of the activity of photocatalytic paint using a simple smart ink designed for high activity surfaces. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 545-52	9.5	19
159	Photocatalytic organic synthesis in an NMR tube: CC coupling of phenoxyacetic acid and acrylamide. <i>Catalysis Today</i> , 2014 , 230, 256-264	5.3	19
158	Adsorption and photocatalytic bleaching of acid orange 7 on P25 titania. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 216, 261-267	4.7	19
157	Modelled kinetics of the rate of hydrogen evolution as a function of metal catalyst loading in the photocatalysed reforming of methanol by Pt (or Pd)/TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 373, 122-130	4.7	19
156	Suspension plasma sprayed coatings using dilute hydrothermally produced titania feedstocks for photocatalytic applications. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12680-12689	13	18
155	UV dosimeters based on neotetrazolium chloride. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 201, 136-141	4.7	18
154	An investigation into the optimum thickness of titanium dioxide thin films synthesized by using atmospheric pressure chemical vapour deposition for use in photocatalytic water oxidation. <i>Chemistry - A European Journal</i> , 2010 , 16, 10546-52	4.8	18
153	Smart inks as photocatalytic activity indicators of self-cleaning paints. <i>Catalysis Today</i> , 2017 , 280, 8-13	5.3	17
152	Multifunctional anthraquinone-based sensors: UV, O ₂ and time. <i>Sensors and Actuators B: Chemical</i> , 2017 , 238, 76-82	8.5	17
151	Blue bottle light: lecture demonstrations of homogeneous and heterogeneous photo-induced electron transfer reactions. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 421-5	4.2	17
150	In Situ, Continuous Monitoring of the Photoinduced Superhydrophilic Effect: Influence of UV-Type and Ambient Atmospheric and Droplet Composition. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 6009-6016	3.8	17
149	Novel low-temperature photocatalytic titania films produced by plasma-assisted reactive dc magnetron sputtering. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007 , 187, 370-376	4.7	17
148	Freestanding Polymer/Metal Oxide Nanocomposite Films for Light-Driven Oxygen Scavenging. <i>Advanced Materials</i> , 2005 , 17, 2365-2368	24	17
147	Development of novel thermochromic plastic films for optical temperature sensing. <i>Analyst, The</i> , 1999 , 124, 685-689	5	17
146	Acid enhancement effect in the clean oxidation of toluenes photocatalysed by TiO ₂ . <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 1119		17

145	Ruthenium dioxide hydrate as an oxygen catalyst: a controversy resolved?. <i>Journal of the Chemical Society Chemical Communications</i> , 1984 , 1436		17
144	Continuous flow gas phase photoreforming of methanol at elevated reaction temperatures sensitised by Pt/TiO ₂ . <i>Reaction Chemistry and Engineering</i> , 2016 , 1, 649-657	4.9	16
143	Photocatalytic oxidation of toluene in an NMR tube. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 233, 34-39	4.7	16
142	Thin-film oxygen sensors using a luminescent polynuclear gold(I) complex. <i>Analytica Chimica Acta</i> , 2011 , 702, 269-73	6.6	16
141	Photocatalytic evolution of hydrogen and oxygen from ceramic wafers of commercial titanias. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 216, 110-114	4.7	16
140	Effect of ultrasound on the kinetics of oxidation of octan-2-ol and other secondary alcohols with sodium bromate, mediated by ruthenium tetroxide in a biphasic system. <i>Ultrasonics Sonochemistry</i> , 1995 , 2, S33-S38	8.9	16
139	Effect of pH on the stability of TiO ₂ coatings on glass photocatalysis reactors for water purification. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 2677		16
138	Corrosion of ruthenium dioxide hydrate by Ce(IV) ions and other oxidants. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1987 , 83, 2317		16
137	Membrane polarographic detectors for determination of hydrogen and oxygen produced by the photodissociation of water. <i>Analytical Chemistry</i> , 1981 , 53, 1254-1257	7.8	16
136	Photoactivity assessment of TiO ₂ thin films using Acid Orange 7 and 4-chlorophenol as model compounds. Part I: Key dependencies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 250, 66-71	4.7	15
135	Hydrogen peroxide vapour indicator. <i>Sensors and Actuators B: Chemical</i> , 2009 , 136, 458-463	8.5	15
134	Exploration of a Standing Mesochannel System with Antimatter/Matter Atomic Probes. <i>Advanced Materials</i> , 2008 , 20, 4728-4733	24	15
133	A viologen-based UV indicator and dosimeter. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 386, 299-305	4.4	15
132	Photocatalytic Oxidation of Deposited Sulfur and Gaseous Sulfur Dioxide by TiO ₂ Films. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 5520-5525	3.8	15
131	Luminescence of Leuco-Thiazine Dyes. <i>Journal of Fluorescence</i> , 2003 , 13, 375-377	2.4	15
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129	Reactions and catalytic properties of ruthenium dioxide hydrate with aqueous solutions of cerium(IV). <i>Journal of the Chemical Society Dalton Transactions</i> , 1982 , 1213		15
128	Kinetics of methylene blue (MB) photocatalyzed reduction and dark regeneration in a colorimetric oxygen sensor. <i>Applied Catalysis B: Environmental</i> , 2016 , 184, 201-207	21.8	14

127	Spectrophotometric and Digital Colour Colourimetric (DCC) analysis of colour-based indicators. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 1187-1194	8.5	14
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125	A novel reversible relative-humidity indicator ink based on methylene blue and urea. <i>Analyst, The</i> , 2010 , 135, 33-5	5	14
124	Flagging up sunburn: a printable, multicomponent, UV-indicator that warns of the approach of erythema. <i>Chemical Communications</i> , 2009 , 1345-6	5.8	14
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122	Adsorption and Destruction of Methylene Blue by Semiconductor Photocatalysis. <i>Green</i> , 2011 , 1,		14
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108	Novel time-temperature and 'consume-within' indicator based on gas-diffusion. <i>Chemical Communications</i> , 2016 , 52, 13987-13990	5.8	11
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- 1 Preface to the Special Issue on Selected Papers from the Second International Conference on Semiconductor Photochemistry SP-2. *International Journal of Photoenergy*, **2008**, 2008, 1-2 2.1