

Andrew Mills

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.

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	The Role of Metal Nanoparticles in Promoting Photocatalysis by TiO ₂ . <i>Topics in Current Chemistry</i> , 2022 , 380, 17	7.2	3
287	A silver-based ink for assessing low activity photocatalytic films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 425, 113698	4.7	0
286	Catalytic and photocatalytic water gas shift reaction (WGS) using a continuous flow, gas phase reactor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 409, 113133	4.7	1
285	Water oxidation by P25 TiO ₂ photoanodes in acidic solution. <i>Chemosphere</i> , 2021 , 271, 129847	8.4	0
284	Probing P25 TiO ₂ photocatalysis using photoinduced absorption spectroscopy (PIAS). <i>Chemical Communications</i> , 2021 , 57, 1242-1245	5.8	2
283	Photocatalytic paints for NO _x removal: Influence of various weathering conditions. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106172	6.8	1
282	Photocatalytic air purification: Effect of HNO ₃ accumulation on NO _x and VOC removal. <i>Catalysis Today</i> , 2021 , 380, 105-113	5.3	7
281	Kinetics of the photocatalysed reduction of oxygen by CdS probed using photoinduced absorption spectroscopy (PIAS). <i>Chemical Communications</i> , 2021 , 57, 1591-1594	5.8	1
280	Ring Photocatalysis: Bands of Activation Surrounding Macro-Sized (1 mm Radius) Pt Islands Deposited on TiO ₂ Films. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13550-13559	3.8	1
279	Heat-transfer ('iron-on') photocatalytic films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 398, 112576	4.7	
278	CdS-coated thin plastic films for visible-light photocatalysis. <i>JPhys Energy</i> , 2020 , 2, 044003	4.9	1
277	A general-purpose colourimetric air pressure indicator. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127425	8.5	1
276	Extruded phosphorescence based oxygen sensors for large-scale packaging applications. <i>Sensors and Actuators B: Chemical</i> , 2020 , 304, 127357	8.5	11
275	Photonic efficiency and selectivity study of M (M=Pt, Pd, Au and Ag)/TiO ₂ photocatalysts for methanol reforming in the gas phase. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 389, 112257	4.7	9
274	Supersensitive test of photocatalytic activity based on ISO 22197-1:2016 for the removal of NO. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 400, 112734	4.7	4
273	3D printed O ₂ indicators. <i>Analyst, The</i> , 2020 , 145, 4124-4129	5	2
272	A smart adhesive 'consume within' (CW) indicator for food packaging. <i>Food Packaging and Shelf Life</i> , 2019 , 22, 100395	8.2	3

271	A colourimetric vacuum air-pressure indicator. <i>Analyst, The</i> , 2019 , 144, 5947-5952	5	3
270	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
269	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
268	Production and testing of novel photocatalytic TiO ₂ surface-exposed nanoparticle (TiO ₂ -SEN) thin plastic films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 369, 142-149	4.7	4
267	Photodeposited Ag-wires on TiO ₂ films. <i>Catalysis Today</i> , 2019 , 335, 136-143	5.3	5
266	Photodeposition of metals from inks and their application in photocatalysis. <i>Catalysis Today</i> , 2019 , 335, 91-100	5.3	7
265	Photocatalyst activity indicating adhesive labels for use in the field. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 356, 256-262	4.7	2
264	Adams Method Prepared Metal Oxide Catalysts for Solar-Driven Water Splitting. <i>ChemPhotoChem</i> , 2018 , 2, 293-299	3.3	10
263	Evaluation of an After Opening Freshness (AOF) label for packaged ham. <i>Food Packaging and Shelf Life</i> , 2018 , 17, 107-113	8.2	11
262	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
261	Assessing photocatalytic activity using methylene blue without dye sensitisation. <i>Catalysis Today</i> , 2018 , 313, 211-217	5.3	8
260	Silicon Photoanodes for Solar-Driven Oxidation of Brine: A Nanoscale, Photo-Active Analog of the Dimensionally-Stable Anode. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H1072-H1079	3.9	2
259	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
258	Smart inks as photocatalytic activity indicators of self-cleaning paints. <i>Catalysis Today</i> , 2017 , 280, 8-13	5.3	17
257	Light-driven generation of chlorine and hydrogen from brine using highly selective Ru/Ti oxide redox catalysts. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 254-257	5.8	2
256	A Comparison of the Potential Capability of SFS, SPS and HVSFS for the Production of Photocatalytic Titania Coatings. <i>Journal of Thermal Spray Technology</i> , 2017 , 26, 161-172	2.5	3
255	Probing the activities of UV and visible-light absorbing photocatalyst powders using a resazurin-based photocatalyst activity indicator ink (Rz Paii). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 338, 123-133	4.7	9
254	A mechanical, high surface area and solvent-free powder-to-electrode fabrication method for screening OER catalysts. <i>Electrochemistry Communications</i> , 2017 , 85, 1-5	5.1	9

253	The P25 TiO ₂ /4-chlorophenol photocatalytic system: Spectral sensitivity or lamp artefact?. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 346, 153-158	4.7	3
252	Novel pH-based photocatalyst activity indicator hydrogel film (Hpaii). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 346, 390-395	4.7	2
251	Action spectra in semiconductor photocatalysis. <i>Chemical Society Reviews</i> , 2017 , 46, 4877-4894	58.5	34
250	Kinetics of reduction of a resazurin-based photocatalytic activity ink. <i>Catalysis Today</i> , 2017 , 281, 14-20	5.3	11
249	Multifunctional anthraquinone-based sensors: UV, O ₂ and time. <i>Sensors and Actuators B: Chemical</i> , 2017 , 238, 76-82	8.5	17
248	Novel temperature-activated humidity-sensitive optical sensor. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 1009-1015	8.5	20
247	Rapid, simple method for determining the porosity of mesoporous TiO ₂ films using a quartz crystal microbalance (QCM). <i>Solar Energy Materials and Solar Cells</i> , 2016 , 144, 78-83	6.4	6
246	Periodate as an alternative oxidant for testing potential water oxidation catalysts. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2863-2872	13	11
245	Novel time-temperature and 'consume-within' indicator based on gas-diffusion. <i>Chemical Communications</i> , 2016 , 52, 13987-13990	5.8	11
244	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
243	Wireless rotating disk electrode (wRDE) for assessing heterogeneous water oxidation catalysts (WOCs). <i>Chemical Communications</i> , 2016 , 52, 7727-30	5.8	2
242	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
241	Highly CO ₂ sensitive extruded fluorescent plastic indicator film based on HPTS. <i>Analyst, The</i> , 2016 , 141, 999-1008	5	24
240	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
239	Assessment of activity of transparent and clear and opaque and highly coloured photocatalytic samples using a fluorescent photocatalytic activity indicator ink, FPaii. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 330, 90-94	4.7	3
238	Correlation between the photocatalysed oxidation of methylene blue in solution and the reduction of resazurin in a photocatalyst activity indicator ink (Rz Paii). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 330, 86-89	4.7	10
237	Extruded colour-based plastic film for the measurement of dissolved CO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 1076-1084	8.5	10
236	Smart, reusable labels for assessing self-cleaning films. <i>Chemical Communications</i> , 2015 , 51, 4161-3	5.8	3

235	Reductive photocatalysis and smart inks. <i>Chemical Society Reviews</i> , 2015 , 44, 2849-64	58.5	26
234	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
233	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
232	In Situ, Simultaneous Irradiation and Monitoring of a Photocatalyzed Organic Oxidation Reaction in a TiO ₂ -Coated NMR Tube. <i>Journal of Organic Chemistry</i> , 2015 , 80, 10342-5	4.2	12
231	Revised Disrupted Langmuir Adsorption Model of Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 19941-19946	3.8	10
230	Antibacterial titania-based photocatalytic extruded plastic films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 299, 159-165	4.7	25
229	Weathering tests of photocatalytic facade paints containing ZnO and TiO ₂ . <i>Chemical Engineering Journal</i> , 2015 , 261, 83-87	14.7	40
228	Quantum yield measurements for the photocatalytic oxidation of Acid Orange 7 (AO7) and reduction of 2,6-dichlorindophenol (DCIP) on transparent TiO ₂ films of various thickness. <i>Catalysis Today</i> , 2015 , 240, 132-137	5.3	8
227	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
226	Indoor and outdoor monitoring of photocatalytic activity using a mobile phone app. and a photocatalytic activity indicator ink (paii). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 298, 64-67	4.7	11
225	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
224	A novel, titania sol-gel derived film for luminescence-based oxygen sensing. <i>Sensors and Actuators B: Chemical</i> , 2014 , 190, 907-912	8.5	12
223	Catalyst-free photoredox addition-cyclisations: exploitation of natural synergy between aryl acetic acids and maleimide. <i>Chemistry - A European Journal</i> , 2014 , 20, 5492-500	4.8	7
222	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
221	A smart ink for the assessment of low activity photocatalytic surfaces. <i>Analyst, The</i> , 2014 , 139, 5409-14	5	13
220	A simple and low-cost method for the preparation of self-supported TiO ₂ /WO ₃ ceramic heterojunction wafers. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17602-17608	13	14
219	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
218	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

217	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
216	Titania-promoted carboxylic acid alkylations of alkenes and cascade addition-cyclizations. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1386-98	4.2	42
215	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
214	Photocatalysis in an NMR tube: Carbon-carbon coupling of phenoxyacetic acid with N-substituted maleimides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013 , 268, 7-16	4.7	4
213	Extruded polymer films pigmented with a heterogeneous ion-pair based lumophore for O ₂ sensing. <i>Analyst, The</i> , 2013 , 138, 6488-93	5	11
212	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
211	Simple inkjet-printed, UV-activated oxygen indicator. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 115481-59	15.9	44
210	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
209	Photocatalytic oxidation of toluene in an NMR tube. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 233, 34-39	4.7	16
208	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
207	Adsorption and photocatalytic and photosensitised bleaching of acid orange 7 on multilayer mesoporous films of TiO ₂ . <i>Journal of Hazardous Materials</i> , 2012 , 211-212, 182-7	12.8	13
206	An O ₂ smart plastic film for packaging. <i>Analyst, The</i> , 2012 , 137, 106-12	5	48
205	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
204	UV-activated photocatalyst films and inks for cleaning tarnished metals. <i>Chemical Communications</i> , 2012 , 48, 525-7	5.8	4
203	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
202	Thin-film oxygen sensors using a luminescent polynuclear gold(I) complex. <i>Analytica Chimica Acta</i> , 2011 , 702, 269-73	6.6	16
201	Predicting the UV-vis spectra of oxazine dyes. <i>Beilstein Journal of Organic Chemistry</i> , 2011 , 7, 432-41	2.5	44
200	Intelligent Inks 2011 , 1-15		

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	A novel 'fizziness' indicator. <i>Analyst, The</i> , 2011 , 136, 894-6	5	10
197	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
196	Novel photocatalyst-based colourimetric indicator for oxygen. <i>Catalysis Today</i> , 2011 , 161, 59-63	5.3	22
195	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
194	NMR analysis of Nile Blue (C. I. Basic Blue 12) and Thionine (C. I. 52000) in solution. <i>Dyes and Pigments</i> , 2011 , 88, 315-325	4.6	14
193	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
192	Adsorption and Destruction of Methylene Blue by Semiconductor Photocatalysis. <i>Green</i> , 2011 , 1,		14
191	A simple, novel method for preparing an effective water oxidation catalyst. <i>Chemical Communications</i> , 2010 , 46, 2397-8	5.8	36
190	A novel reversible relative-humidity indicator ink based on methylene blue and urea. <i>Analyst, The</i> , 2010 , 135, 33-5	5	14
189	Intelligent pigments and plastics for CO ₂ detection. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5008		12
188	Water-based colourimetric optical indicators for the detection of carbon dioxide. <i>Analyst, The</i> , 2010 , 135, 1912-7	5	35
187	Substrate-Dependant Ability of Titanium(IV) Oxide Photocatalytic Thin Films Prepared by Thermal CVD to Generate Hydrogen Gas from a Sacrificial Reaction. <i>Chemical Vapor Deposition</i> , 2010 , 16, 301-304		9
186	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
185	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
184	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
183	Reactivity difference between protolytic forms of some macrocyclic chromium(III) complexes in ligand substitution and electron transfer processes. <i>Inorganica Chimica Acta</i> , 2010 , 363, 2346-2356	2.7	1
182	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

181	Oxygen Indicators in Food Packaging. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2009 , 371-388	0.3	3
180	Hydrogen peroxide vapour indicator. <i>Sensors and Actuators B: Chemical</i> , 2009 , 136, 458-463	8.5	15
179	Nanocrystalline SnO ₂ -based, UVB-activated, colourimetric oxygen indicator. <i>Sensors and Actuators B: Chemical</i> , 2009 , 136, 344-349	8.5	102
178	UV dosimeters based on neotetrazolium chloride. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 201, 136-141	4.7	18
177	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
176	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
175	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
174	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
173	A novel, fast-responding, indicator ink for thin film photocatalytic surfaces. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1163-5	9.5	12
172	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
171	Comment on "Solvent effect on the electronic spectra of azine dyes under alkaline condition". <i>Journal of Physical Chemistry A</i> , 2009 , 113, 9575-6; author reply 9577	2.8	8
170	UV dosimeter based on dichloroindophenol and tin(IV) oxide. <i>Analyst, The</i> , 2009 , 134, 845-50	5	6
169	Optical Sensors for Carbon Dioxide and Their Applications. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2009 , 347-370	0.3	10
168	A solvent-based intelligence ink for oxygen. <i>Analyst, The</i> , 2008 , 133, 213-8	5	44
167	Preface to the Special Issue on Selected Papers from the Second International Conference on Semiconductor Photochemistry SP-2. <i>International Journal of Photoenergy</i> , 2008 , 2008, 1-2	2.1	
166	A Study of Factors that Change the Wettability of Titania Films. <i>International Journal of Photoenergy</i> , 2008 , 2008, 1-6	2.1	12
165	UV-Activated Luminescence/Colourimetric O ₂ Indicator. <i>International Journal of Photoenergy</i> , 2008 , 2008, 1-6	2.1	5
164	A Rapid Method of Assessing the Photocatalytic Activity of Thin TiO ₂ Films Using an Ink Based on the Redox Dye 2,6-Dichloroindophenol. <i>International Journal of Photoenergy</i> , 2008 , 2008, 1-6	2.1	3

163	Exploration of a Standing Mesochannel System with Antimatter/Matter Atomic Probes. <i>Advanced Materials</i> , 2008 , 20, 4728-4733	24	15
162	A study of new photocatalyst indicator inks. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 193, 228-236	4.7	66
161	Reversible, fluorescence-based optical sensor for hydrogen peroxide. <i>Analyst, The</i> , 2007 , 132, 566-71	5	26
160	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
159	Current and possible future methods of assessing the activities of photocatalyst films. <i>Catalysis Today</i> , 2007 , 129, 22-28	5.3	75
158	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
157	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
156	Kinetics of the methylene blue oxidation by cerium(IV) in sulphuric acid solutions. <i>Transition Metal Chemistry</i> , 2007 , 32, 31-37	2.1	11
155	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
154	A viologen-based UV indicator and dosimeter. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 386, 299-305	4.4	15
153	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
152	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
151	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
150	Luminescence temperature sensing using poly(vinyl alcohol)-encapsulated Ru(bpy) ₃ ²⁺ films. <i>Analyst, The</i> , 2006 , 131, 495-500	5	28
149	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
148	Photocatalytic oxidation of soot by P25 TiO ₂ films. <i>Chemosphere</i> , 2006 , 64, 1032-5	8.4	31
147	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
146	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

145	Oxygen indicators and intelligent inks for packaging food. <i>Chemical Society Reviews</i> , 2005 , 34, 1003-11	58.5	264
144	An intelligence ink for photocatalytic films. <i>Chemical Communications</i> , 2005 , 2721-3	5.8	67
143	Development of a novel UV indicator and dosimeter film. <i>Analyst, The</i> , 2005 , 130, 1046-51	5	13
142	Novel UV-Activated Colorimetric Oxygen Indicator. <i>Chemistry of Materials</i> , 2005 , 17, 2744-2751	9.6	121
141	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
140	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
139	Freestanding Polymer/Metal Oxide Nanocomposite Films for Light-Driven Oxygen Scavenging. <i>Advanced Materials</i> , 2005 , 17, 2365-2368	24	17
138	Thick titania films for semiconductor photocatalysis. <i>Journal of Applied Electrochemistry</i> , 2005 , 35, 641-653	3	36
137	Fluorescent Carbon Dioxide Indicators 2005 , 119-161		9
136	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
135	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
134	Kinetics and mechanism of a macrocyclic chromium(III) complex oxidation to chromium(IV) by hexacyanoferrate(III) in strongly alkaline media. <i>Transition Metal Chemistry</i> , 2004 , 29, 634-643	2.1	5
133	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
132	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
131	An intelligence ink for oxygen. <i>Chemical Communications</i> , 2004 , 1912-3	5.8	49
130	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
129	Characterization of novel Ag on TiO ₂ films for surface-enhanced Raman scattering. <i>Applied Spectroscopy</i> , 2004 , 58, 922-8	3.1	34
128	Novel photochemistry of leuco-Methylene Blue. <i>Chemical Communications</i> , 2003 , 2366-7	5.8	81

127	Luminescence of Leuco-Thiazine Dyes. <i>Journal of Fluorescence</i> , 2003 , 13, 375-377	2.4	15
126	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
125	Synthesis, structure and magnetic properties of a linear-chain manganese(II) complex [Mn(EDL)2(mppma)] _n , where mppma is N-(3-methoxypropyl)-N-(pyridin-2-ylmethyl)amine. <i>Inorganica Chimica Acta</i> , 2003 , 351, 278-282	2.7	11
124	Titania and tungsten doped titania thin films on glass; active photocatalysts. <i>Polyhedron</i> , 2003 , 22, 35-44	2.7	143
123	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
122	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
121	Thick titanium dioxide films for semiconductor photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003 , 160, 185-194	4.7	186
120	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
119	Atmospheric pressure chemical vapour deposition of titanium dioxide coatings on glass. <i>Journal of Materials Chemistry</i> , 2003 , 13, 56-60		70
118	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
117	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
116	Alkaline hydrolysis of trinitrotoluene, TNT. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 3921	3.6	29
115	Preparation and characterisation of novel thick sol-gel titania film photocatalysts. <i>Photochemical and Photobiological Sciences</i> , 2003 , 2, 591-6	4.2	99
114	. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002 , 148, 1-3	4.7	3
113	Novel TiO ₂ CVD films for semiconductor photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002 , 151, 171-179	4.7	192
112	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
111	Spectral and photocatalytic characteristics of TiO ₂ CVD films on quartz. <i>Photochemical and Photobiological Sciences</i> , 2002 , 1, 865-8	4.2	65
110	Anodic Stripping Voltammetry with Photochemical Preconcentration at Nanocrystalline TiO ₂ Films: Detection of Ag ⁺ and Hg ₂ ⁺ . <i>Electroanalysis</i> , 2000 , 12, 413-419	3	13

109	Additivity of substituent effects on the visible absorption spectra of some heteroarylazo compounds: the influence of solvent. <i>Dyes and Pigments</i> , 2000 , 47, 23-31	4.6	8
108	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
107	Anodic Stripping Voltammetry with Photochemical Preconcentration at Nanocrystalline TiO ₂ Films: Detection of Ag ⁺ and Hg ²⁺ 2000 , 12, 413		1
106	The Kinetics of Semiconductor Photocatalysis: Light Intensity Effects. <i>Zeitschrift Fur Physikalische Chemie</i> , 1999 , 213, 49-58	3.1	20
105	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
104	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
103	Response characteristics of optical sensors for oxygen: models based on a distribution in $\bar{\mu}$ or k_q . <i>Analyst, The</i> , 1999 , 124, 1301-1307	5	26
102	Response characteristics of optical sensors for oxygen: a model based on a distribution in $\bar{\mu}$ and k_q . <i>Analyst, The</i> , 1999 , 124, 1309-1314	5	20
101	Development of novel thermochromic plastic films for optical temperature sensing. <i>Analyst, The</i> , 1999 , 124, 685-689	5	17
100	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
99	Luminescent gold compounds in optical oxygen sensors 1998 , 31, 68-70		9
98	Kinetics and mechanism of thermal oxidation of sialon ceramic powders. <i>Thermochimica Acta</i> , 1998 , 318, 91-100	2.9	30
97	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
96	Controlling the sensitivity of optical oxygen sensors. <i>Sensors and Actuators B: Chemical</i> , 1998 , 51, 60-68	8.5	65
95	Optical sensors for oxygen: a log-gaussian multisite-quenching model. <i>Sensors and Actuators B: Chemical</i> , 1998 , 51, 69-76	8.5	32
94	Effect of plasticizer viscosity on the sensitivity of an [Ru(bpy) ₃] ²⁺ -(Ph ₄ B) ₄]-based optical oxygen sensor. <i>Analyst, The</i> , 1998 , 123, 1135-1140	5	39
93	Fluorescence-based Thin Plastic Film Ion-pair Sensors for Oxygen. <i>Analyst, The</i> , 1997 , 122, 63-68	5	79
92	Mutagenesis, biochemical characterization and X-ray structural analysis of point mutants of bovine chymosin. <i>Protein Engineering, Design and Selection</i> , 1997 , 10, 991-7	1.9	8

91	Use of Luminescent Gold Compounds in the Design of Thin-Film Oxygen Sensors. <i>Analytical Chemistry</i> , 1997 , 69, 2842-2847	7.8	38
90	Controlling the Response Characteristics of Luminescent Porphyrin Plastic Film Sensors for Oxygen. <i>Analytical Chemistry</i> , 1997 , 69, 4653-4659	7.8	190
89	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
88	Investigation into the Nature of the Oxoruthenate Species used to Mediate the Oxidation of an Organic Substrate by Hypochlorite in a Biphasic System \square <i>Journal of Chemical Research Synopses</i> , 1997 , 368		5
87	An overview of semiconductor photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997 , 108, 1-35	4.7	2895
86	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
85	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
84	Bromate removal from drinking water by semiconductor photocatalysis. <i>Water Research</i> , 1996 , 30, 1973-1978	12.3	91
83	Thin plastic film colorimetric sensors for carbon dioxide: effect of plasticizer on response. <i>Analyst, The</i> , 1996 , 121, 535	5	30
82	The effects of power ultrasound on the oxidation of water by CeIV ions mediated by thermally activated ruthenium dioxide hydrate. <i>Ultrasonics Sonochemistry</i> , 1996 , 3, S119-S123	8.9	9
81	A new CVD reaction for atomic layer deposition of silicon. <i>Applied Surface Science</i> , 1996 , 107, 189-196	6.7	4
80	Plastic colorimetric film sensors for gaseous ammonia. <i>Mikrochimica Acta</i> , 1995 , 121, 225-236	5.8	53
79	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
78	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
77	Effect of ultrasound on the kinetics of reduction of hexacyanoferrate(III) by thiosulfate ions mediated by ruthenium dioxide hydrate. <i>Ultrasonics Sonochemistry</i> , 1995 , 2, S39-S41	8.9	4
76	Heterogeneous redox catalysis: A novel route for removing bromate ions from water. <i>Water Research</i> , 1995 , 29, 2181-2185	12.5	22
75	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
74	Tris-dependent oxidative DNA strand scission during electrophoresis. <i>Electrophoresis</i> , 1995 , 16, 888-94	3.6	48

73	Photomineralization of salicylic acid: a kinetic study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994 , 83, 257-263	4.7	52
72	Tuning colourimetric and fluorimetric gas sensors for carbon dioxide. <i>Analytica Chimica Acta</i> , 1994 , 285, 113-123	6.6	44
71	Colorimetric polymer film sensors for dissolved carbon dioxide. <i>Sensors and Actuators B: Chemical</i> , 1994 , 21, 83-89	8.5	27
70	The effects of differing degrees of thermal activation of RuO ₂ ·xH ₂ O on its corrodability and oxygen catalytic activity. <i>Journal of Molecular Catalysis</i> , 1994 , 94, 71-84		0
69	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
68	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
67	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
66	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
65	Kinetics of reductive dissolution of sodium bismuthate by Ce(III) and Mn(II) ions. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994 , 90, 2939		6
64	Kinetics of reduction of hexacyanoferrate(III) by thiosulfate ions mediated by ruthenium dioxide hydrate. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994 , 90, 1429		6
63	Water purification by semiconductor photocatalysis. <i>Chemical Society Reviews</i> , 1993 , 22, 417	58.5	1213
62	Fluorescence plastic thin-film sensor for carbon dioxide. <i>Analyst, The</i> , 1993 , 118, 839	5	109
61	Faraday communications. Use of inert metal oxide antiflocculants to improve the rate of heterogeneous catalysis of redox reactions. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993 , 89, 3849		2
60	Oxidation of ruthenium(II) tris(2,2'-bipyridine) ions by thallic ions in nitric acid, mediated by ruthenium dioxide hydrate: an example of reversible heterogeneous redox catalysis. <i>Inorganic Chemistry</i> , 1993 , 32, 3433-3437	5.1	5
59	Equilibrium studies on a fluorescence plastic thin film sensor for carbon dioxide 1993 ,		1
58	Oxidation of chloride to chlorine by ceric ions mediated by different carbon blacks. <i>Carbon</i> , 1993 , 31, 675-683	10.4	5
57	Factors affecting the kinetics of methyl orange reduction photosensitized by colloidal CdS. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993 , 73, 47-52	4.7	15
56	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

55	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
54	Oxidation of ruthenium(II) tris(2,2-bipyridine) ions by thallic ions, mediated by ruthenium dioxide hydrate: a classic example of reversible redox catalysis. <i>Inorganica Chimica Acta</i> , 1993 , 209, 225-227	2.7	1
53	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
52	Mechanism of the reduction of water by reduced methyl viologen mediated by platinized alumina: hydrogen/deuterium isotope effects. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 816-819		3
51	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
50	Oxidative dissolution of ruthenium dioxide hydrate by periodate ions. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992 , 88, 2487		4
49	Equilibrium studies on colorimetric plastic film sensors for carbon dioxide. <i>Analytical Chemistry</i> , 1992 , 64, 1383-1389	7.8	189
48	Oxidation of water by MnO ₄ ²⁻ mediated by thermally activated ruthenium dioxide hydrate. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992 , 1059		2
47	Kinetic study of photo-induced electron transfer reactions sensitized by colloidal CdS. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992 , 64, 211-221	4.7	4
46	The effect of power ultrasound on the oxidative dissolution of RuO ₂ .xH ₂ O by bromate ions. <i>Ultrasonics</i> , 1992 , 30, 333-341	3.5	5
45	Oxygen evolution redox catalysis using Ru-Adams. <i>Electrochimica Acta</i> , 1992 , 37, 1217-1225	6.7	12
44	Oxygen catalysis by anhydrous ruthenium(IV) oxide. <i>Inorganica Chimica Acta</i> , 1991 , 189, 149-155	2.7	8
43	Methyl orange as a probe of photoelectrochemical reactions sensitized by colloidal CdS. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1991 , 59, 199-208	4.7	7
42	Decomposition products of trinuclear ruthenium complexes as effective catalysts of water oxidation. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991 , 87, 313		14
41	Oxidation of chloride to chlorine by CeIV ions mediated by different RuIV and IrIV oxide-based catalysts. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991 , 87, 3275		10
40	Comparative study of new and established heterogeneous oxygen catalysts. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991 , 87, 1245		26
39	Kinetics of corrosion of ruthenium dioxide hydrate by CeIV ions. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991 , 87, 473		6
38	Platinum Group Metals in the Photodecomposition of Water. <i>Studies in Inorganic Chemistry</i> , 1991 , 302-337		0

37	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
36	Electron transfer reactions sensitised by colloidal cadmium sulphide: Effect of colloid concentration and flash intensity on rate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1990 , 53, 127-137	4.7	1
35	Kinetics for the surface-controlled dissolution of a powder dispersion with a log-normal distribution in particle size. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990 , 86, 2163		3
34	Kinetics of corrosion of ruthenium dioxide hydrate by bromate ions under acidic conditions. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990 , 86, 955		9
33	Kinetics of redox dissolution of soft-centre particles. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990 , 86, 3405		3
32	Kinetic study of the reduction of water to hydrogen by reduced methyl viologen mediated by platinised alumina. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990 , 86, 1417		6
31	Charging of a redox catalyst for O ₂ evolution. <i>Inorganica Chimica Acta</i> , 1989 , 159, 7-9	2.7	4
30	A kinetic study of the oxidation of water by CeIV ions in different acid media, mediated by thermally activated ruthenium dioxide hydrate. <i>Inorganica Chimica Acta</i> , 1989 , 158, 49-57	2.7	10
29	Diffusion- and activation-controlled electron transfer reactions sensitized by colloidal cadmium sulphide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1989 , 48, 397-417	4.7	6
28	Characterization study of ruthenium dioxide hydrate before and after thermal activation. <i>Journal of the Less Common Metals</i> , 1989 , 155, 89-109		6
27	Heterogeneous redox catalysts for oxygen and chlorine evolution. <i>Chemical Society Reviews</i> , 1989 , 18, 285	58.5	76
26	Kinetic study of the oxidation of water by CeIV ions mediated by activated ruthenium dioxide hydrate. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989 , 85, 2055		13
25	Ruthenium dioxide hydrate: is it a hydrogen catalyst?. <i>Journal of the Chemical Society Chemical Communications</i> , 1989 , 321		4
24	Redox catalysis. Theory for a Nernstian reaction coupled to an irreversible reaction. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989 , 85, 2047		7
23	Photosensitised oxidation of water by CdS-based suspensions. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989 , 85, 503		35
22	Photo-oxidation of water sensitised by ruthenium(II) tris(bipyrazine). <i>Inorganica Chimica Acta</i> , 1988 , 150, 101-106	2.7	11
21	Oxidation of chloride to chlorine by cerium(IV) ions mediated by a microheterogeneous redox catalyst. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1988 , 84, 1691		11
20	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

19	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
18	Thermally activated ruthenium dioxide hydrate. A reproducible, stable oxygen catalyst. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1987 , 83, 2331		30
17	Analysis of chlorine-oxygen gas mixtures. <i>Analyst, The</i> , 1987 , 112, 1289	5	3
16	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
15	Corrosion of ruthenium dioxide hydrate by CeIV ions and other oxidants. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1987 , 83, 2317		16
14	Indirect chromatography using a membrane polarographic detector. <i>Analytical Chemistry</i> , 1986 , 58, 153-157	1.57	10
13	Photoreduction of water sensitised by Rose Bengal. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1986 , 82, 2291		28
12	Determination of electroactive and non-electroactive gases using a membrane polarographic detector in a flow system. <i>Analyst, The</i> , 1985 , 110, 23	5	2
11	Characterisation and application of an oxygen membrane polarographic detector in a flow system for studying oxygen-evolving reactions. <i>Analyst, The</i> , 1984 , 109, 1549	5	3
10	Ruthenium dioxide hydrate as an oxygen catalyst: a controversy resolved?. <i>Journal of the Chemical Society Chemical Communications</i> , 1984 , 1436		17
9	Photosensitised dissociation of water using dispersed suspensions of n-type semiconductors. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1982 , 78, 3659		143
8	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
7	Platinisation of semiconductor particles. <i>Journal of the Chemical Society Chemical Communications</i> , 1982 , 367		27
6	Photo-oxidation of water sensitized by WO ₃ powder. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1982 , 78, 359		160
5	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
4	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
3	Ruthenium dioxide hydrate, is it a redox catalyst?. <i>Journal of the Chemical Society Chemical Communications</i> , 1981 , 948		8
2	A Simple and Ligand-Free Synthesis of Light and Durable Metal-TiO ₂ Polymer Films with Enhanced Photocatalytic Properties. <i>Advanced Materials Interfaces</i> , 2012 , 2101241	4.6	0

- 1 Photocatalytic oxidation of pollutants in gas-phase via Ag_3PO_4 -based semiconductor photocatalysts: Recent progress, new trends, and future perspectives. *Critical Reviews in Environmental Science and Technology*, 1-44

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