

# Frank V Bright

## List of Publications by Citations

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256  
papers

9,552  
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53  
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87  
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267  
ext. papers

9,993  
ext. citations

5.3  
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5.88  
L-index

#	Paper	IF	Citations
256	Specific Intermolecular Interaction of Carbon Dioxide with Polymers. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 1729-1736	16.4	700
255	An analytical view of ionic liquids. <i>Analyst, The</i> , <b>2005</b> , 130, 800-8	5	370
254	Thermodynamic study on the effects of beta-cyclodextrin inclusion with anilidonaphthalenesulfonates. <i>Analytical Chemistry</i> , <b>1989</b> , 61, 905-9	7.8	300
253	Reductive side of water splitting in artificial photosynthesis: new homogeneous photosystems of great activity and mechanistic insight. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 15480-3	16.4	283
252	Glucose Biosensor Based on a Sol-Gel-Derived Platform. <i>Analytical Chemistry</i> , <b>1994</b> , 66, 3139-3144	7.8	232
251	Temperature-dependent microscopic solvent properties of [dry] and [wet] 1-butyl-3-methylimidazolium hexafluorophosphate: correlation with ET(30) and Kamlet-Taft polarity scales. <i>Green Chemistry</i> , <b>2002</b> , 4, 165-169	10	204
250	The Cybotactic Region Surrounding Fluorescent Probes Dissolved in 1-Butyl-3-methylimidazolium Hexafluorophosphate: Effects of Temperature and Added Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 9663-9668	3.4	197
249	Aqueous self-assembly of giant bottlebrush block copolymer surfactants as shape-tunable building blocks. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 7762-70	16.4	165
248	Molecularly templated materials in chemical sensing. <i>Analytica Chimica Acta</i> , <b>2007</b> , 594, 147-61	6.6	164
247	Unfolding of acrylodan-labeled human serum albumin probed by steady-state and time-resolved fluorescence methods. <i>Biophysical Journal</i> , <b>1998</b> , 75, 1084-96	2.9	164
246	Affinity of anti fluorescein antibodies encapsulated within a transparent sol-gel glass. <i>Analytical Chemistry</i> , <b>1993</b> , 65, 2671-2675	7.8	163
245	Sol-gel-derived sensor materials that yield linear calibration plots, high sensitivity, and long-term stability. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 2407-13	7.8	157
244	Self-assembling subnanometer pores with unusual mass-transport properties. <i>Nature Communications</i> , <b>2012</b> , 3, 949	17.4	139
243	Ecofriendly Antifouling Marine Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 559-565	8.3	124
242	Effects of aging on the dynamics of rhodamine 6G in tetramethyl orthosilicate-derived sol-gels. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 17-22		123
241	High-performance quenchometric oxygen sensors based on fluorinated xerogels doped with [Ru(dpp)3]2+. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 2670-2	7.8	113
240	Environmentally benign sol-gel antifouling and foul-releasing coatings. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 678-87	24.3	105

239	Characterization of a New Solvent-Sensitive Two-Photon-Induced Fluorescent (Aminostyryl)pyridinium Salt Dye. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 4521-4525		104
238	Dendrimeric organochalcogen catalysts for the activation of hydrogen peroxide: improved catalytic activity through statistical effects and cooperativity in successive generations. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 57-67	16.4	103
237	Regenerable fiber-optic-based immunosensor. <i>Analytical Chemistry</i> , <b>1990</b> , 62, 1065-9	7.8	102
236	Dynamics of acrylodan-labeled bovine and human serum albumin entrapped in a sol-gel-derived biogel. <i>Analytical Chemistry</i> , <b>1995</b> , 67, 2436-43	7.8	101
235	Nanosecond reorganization of water within the interior of reversed micelles revealed by frequency-domain fluorescence spectroscopy. <i>The Journal of Physical Chemistry</i> , <b>1991</b> , 95, 7900-7907		100
234	Hidden Properties of Carbon Dots Revealed After HPLC Fractionation. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 239-43	6.4	96
233	Dynamics of acrylodan-labeled bovine and human serum albumin sequestered within aerosol-OT reverse micelles. <i>Analytical Chemistry</i> , <b>1995</b> , 67, 3775-81	7.8	95
232	Effects of Solubilized Water on the Relaxation Dynamics Surrounding 6-Propionyl-2-(N,N-dimethylamino)naphthalene Dissolved in 1-Butyl-3-methylimidazolium Hexafluorophosphate at 298 K. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 6457-6463	3.9	93
231	Water Core within Perfluoropolyether-Based Microemulsions Formed in Supercritical Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 6707-6714	3.4	92
230	The pH within PFPE Reverse Micelles Formed in Supercritical CO <sub>2</sub> . <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 1474-1478	3.4	88
229	Hybrid xerogel films as novel coatings for antifouling and fouling release. <i>Biofouling</i> , <b>2005</b> , 21, 59-71	3.3	81
228	Water-soluble, core-modified porphyrins as novel, longer-wavelength-absorbing sensitizers for photodynamic therapy. II. Effects of core heteroatoms and meso-substituents on biological activity. <i>Journal of Medicinal Chemistry</i> , <b>2002</b> , 45, 449-61	8.3	81
227	Molecularly imprinted xerogels as platforms for sensing. <i>Accounts of Chemical Research</i> , <b>2007</b> , 40, 756-674.3	4.3	80
226	Steady-state and time-resolved fluorescence investigations of pyrene excimer formation in supercritical CO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 5249-5257	16.4	73
225	Dynamics surrounding Cys-34 in native, chemically denatured, and silica-adsorbed bovine serum albumin. <i>Analytical Chemistry</i> , <b>1995</b> , 67, 149-59	7.8	71
224	Dendrimers Functionalized with a Single Fluorescent Dansyl Group Attached Off Center: Synthesis and Photophysical Studies. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 6139-6144	16.4	69
223	Evidence for lifetime distributions in cyclodextrin inclusion complexes. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 1343-1346	16.4	69
222	Aerosol-generated sol-gel-derived thin films as biosensing platforms. <i>Analytica Chimica Acta</i> , <b>1996</b> , 332, 83-91	6.6	67

221	A Novel Protocol to Entrap Active Urease in a Tetraethoxysilane-Derived Sol-Gel Thin-Film Architecture. <i>Chemistry of Materials</i> , <b>1994</b> , 6, 1596-1598	9.6	67
220	Probing the Cybotactic Region of PRODAN in Tetramethylorthosilicate-Derived Sol-Gels. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 8101-8107		67
219	Dynamics of loop 1 of domain I in human serum albumin when dissolved in ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 12825-30	3.4	63
218	Optical sensor array and integrated light source. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 3289-93	7.8	63
217	Effects of Poly(ethylene glycol) Doping on the Behavior of Pyrene, Rhodamine 6G, and Acrylodan-Labeled Bovine Serum Albumin Sequestered within Tetramethylorthosilicate-Derived Sol-Gel-Processed Composites. <i>Journal of Sol-Gel Science and Technology</i> , <b>1998</b> , 11, 43-54	2.3	61
216	Development of Chemical Sensing Platforms Based on Sol-Gel-Derived Thin Films: Origin of Film Age vs Performance Trade-Offs. <i>Analytical Chemistry</i> , <b>1996</b> , 68, 604-610	7.8	61
215	Probing the Scale of Local Density Augmentation in Supercritical Fluids: A Picosecond Rotational Reorientation Study. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 6889-6897		60
214	Multianalyte pin-printed biosensor arrays based on protein-doped xerogels. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 6177-84	7.8	59
213	'Liquid litmus': chemosensory pH-responsive photonic ionic liquids. <i>Chemical Communications</i> , <b>2011</b> , 47, 4775-7	5.8	58
212	Dendrimeric organochalcogen catalysts for the activation of hydrogen peroxide: origins of the "dendrimer effect" with catalysts terminating in phenylseleno groups. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 12558-66	16.4	58
211	Portable, Low-Cost, Solid-State Luminescence-Based O <sub>2</sub> Sensor. <i>Applied Spectroscopy</i> , <b>1998</b> , 52, 750-754	3.1	58
210	Silanization of radio frequency glow discharge modified expanded poly(tetrafluoroethylene) using (aminopropyl)triethoxysilane. <i>Langmuir</i> , <b>1991</b> , 7, 142-151	4	58
209	The role of surface energy and water wettability in aminoalkyl/fluorocarbon/hydrocarbon-modified xerogel surfaces in the control of marine biofouling. <i>Biofouling</i> , <b>2010</b> , 26, 235-46	3.3	56
208	Affinity and Mobility of Polyclonal Anti-Dansyl Antibodies Sequestered within Sol-Gel-Derived Biogels. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 1142-1147	9.6	56
207	Characterization of Rhodamine 6G-Doped Thin Sol-Gel Films. <i>Applied Spectroscopy</i> , <b>1993</b> , 47, 229-234	3.1	56
206	Kinetics and thermodynamics of free flavins and the flavin-based redox active site within glucose oxidase dissolved in solution or sequestered within a sol-gel-derived glass. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 1215-24	7.8	55
205	Templated xerogels as platforms for biomolecule-less biomolecule sensors. <i>Analytica Chimica Acta</i> , <b>2006</b> , 564, 59-65	6.6	54
204	Pin-printed chemical sensor arrays for simultaneous multianalyte quantification. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 1462-6	7.8	54

203	Performance of Cholesterol Oxidase Sequestered within Reverse Micelles Formed in Supercritical Carbon Dioxide <i>Langmuir</i> , <b>2000</b> , 16, 4901-4905	4	51
202	Advances in Multifrequency Phase and Modulation Fluorescence Analysis. <i>Critical Reviews in Analytical Chemistry</i> , <b>1990</b> , 21, 389-405	5.2	51
201	A xerogel-sequestered selenoxide catalyst for brominations with hydrogen peroxide and sodium bromide in an aqueous environment. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 6849-52	4.2	49
200	State-Dependent Solvation of Pyrene in Supercritical CO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 5832-5839	16.4	48
199	A new strategy for folding oligo(m-phenylene ethynyls). <i>Chemical Communications</i> , <b>2003</b> , 56-7	5.8	47
198	Antifouling character of 'active' hybrid xerogel coatings with sequestered catalysts for the activation of hydrogen peroxide. <i>Biofouling</i> , <b>2009</b> , 25, 21-33	3.3	46
197	Time-resolved fluorescence spectroscopy for illuminating complex systems. <i>Analytica Chimica Acta</i> , <b>2003</b> , 500, 71-104	6.6	45
196	A comparison of the antifouling/foul-release characteristics of non-biocidal xerogel and commercial coatings toward micro- and macrofouling organisms. <i>Biofouling</i> , <b>2012</b> , 28, 511-23	3.3	42
195	The control of marine biofouling on xerogel surfaces with nanometer-scale topography. <i>Biofouling</i> , <b>2011</b> , 27, 137-49	3.3	42
194	Tools to Rapidly Produce and Screen Biodegradable Polymer and Sol-Gel-Derived Xerogel Formulations. <i>Applied Spectroscopy</i> , <b>2002</b> , 56, 1385-1389	3.1	42
193	Thermodynamic binding parameters evaluated by using phase-resolved fluorescence spectrometry. <i>Analytica Chimica Acta</i> , <b>1985</b> , 175, 189-201	6.6	42
192	Pd-porphyrin-cross-linked implantable hydrogels with oxygen-responsive phosphorescence. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 891-6	10.1	41
191	Modern Molecular Fluorescence Spectroscopy. <i>Applied Spectroscopy</i> , <b>1995</b> , 49, 14A-19A	3.1	40
190	CMOS-Based Phase Fluorometric Oxygen Sensor System. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>2007</b> , 54, 111-118		39
189	Dendrimers Functionalized with a Single Pyrene Label: Synthesis, Photophysics, and Fluorescence Quenching. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 8649-8656	3.4	39
188	In situ studies of protein conformation in supercritical fluids: trypsin in carbon dioxide. <i>Biotechnology Progress</i> , <b>1992</b> , 8, 421-3	2.8	39
187	Extending the reach of immunoassays to optically dense specimens by using two-photon excited fluorescence polarization. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 5748-52	7.8	38
186	Dendrimeric Catalysts for the Activation of Hydrogen Peroxide. Increasing Activity per Catalytic Phenylseleno Group in Successive Generations. <i>Organic Letters</i> , <b>1999</b> , 1, 1043-1046	6.2	38

185	Linkage and redox isomerism in ruthenium complexes of catecholate, semiquinone, and o-acylphenolate ligands derived from 1,2-dihydroxy-9,10-anthracenedione (alizarin) and related species: syntheses, characterizations, and photophysics. <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 5807-16	5.1	37
184	Stable sensors with tunable sensitivities based on class II xerogels. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 1939-458		36
183	Effects of Processing Temperature on the Oxygen Quenching Behavior of Tris(4,7?-diphenyl-1,10?-phenanthroline) Ruthenium (II) Sequestered Within Sol-Gel-Derived Xerogel Films. <i>Journal of Sol-Gel Science and Technology</i> , <b>2000</b> , 17, 71-82	2.3	36
182	Phase-resolved fluorescence spectroscopy. <i>Analytical Chemistry</i> , <b>1984</b> , 56, 1400A-1417A	7.8	35
181	Site selectively templated and tagged xerogels for chemical sensors. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 3165-80		34
180	Biosensor for the nonspecific determination of ionic surfactants. <i>Analytical Chemistry</i> , <b>1996</b> , 68, 3377-817.8		34
179	Unimodal Lorentzian lifetime distributions for the 2-anilinonaphthalene-6-sulfonate-.beta.-cyclodextrin inclusion complex recovered by multifrequency phase-modulation fluorometry. <i>The Journal of Physical Chemistry</i> , <b>1990</b> , 94, 8457-8463		34
178	Fluorescence energy transfer efficiency in labeled yeast cytochrome c: a rapid screen for ion biocompatibility in aqueous ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 3642-4	3.6	33
177	Comment on "How polar are ionic liquids? Determination of the static dielectric constant of an imidazolium-based ionic liquid by microwave dielectric spectroscopy". <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 5822-3; discussion 5824	3.4	33
176	Probing solute-entrainer interactions in matrix-modified supercritical carbon dioxide. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 701-707	16.4	33
175	Bioanalytical applications of fluorescence spectroscopy. <i>Analytical Chemistry</i> , <b>1988</b> , 60, 1031A-1039A	7.8	33
174	On the Microenvironments Surrounding Dansyl Sequestered within Class I and II Xerogels. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 3547-3551	9.6	32
173	A preservative-and-fluorescein interaction model for benign multipurpose solution-associated transient corneal hyperfluorescence. <i>Cornea</i> , <b>2012</b> , 31, 1480-8	3.1	31
172	A New Fluorescence Sensor for Quantification of Atmospheric Humidity. <i>Journal of the Electrochemical Society</i> , <b>1989</b> , 136, 567-570	3.9	31
171	Instrumentation for Steady-State and Dynamic Fluorescence and Absorbance Studies in Supercritical Media. <i>Applied Spectroscopy</i> , <b>1990</b> , 44, 1196-1202	3.1	31
170	Effects of Subzero Temperatures on Fluorescent Probes Sequestered within Aerosol-OT Reverse Micelles. <i>Langmuir</i> , <b>2004</b> , 20, 1551-1557	4	30
169	Rotational Reorientation Dynamics of Xanthene Dyes within the Interior of Aerosol-OT Reversed Micelles. <i>Applied Spectroscopy</i> , <b>1995</b> , 49, 20-30	3.1	30
168	Growth mechanism of largescale MoS2monolayer by sulfurization of MoO3film. <i>Materials Research Express</i> , <b>2016</b> , 3, 075009	1.7	29



167	Extremely strong tubular stacking of aromatic oligoamide macrocycles. <i>Chemical Science</i> , <b>2015</b> , 6, 152-157	7.4	28
166	A parallel multiharmonic frequency-domain fluorometer for measuring excited-state decay kinetics following one-, two-, or three-photon excitation. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 3384-96	7.8	28
165	RAG1-DNA binding in V(D)J recombination. Specificity and DNA-induced conformational changes revealed by fluorescence and CD spectroscopy. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 5584-96	5.4	27
164	Chemical Sensor Based on an Artificial Receptor Element Trapped in a Porous Sol-Gel Glass Matrix. <i>Applied Spectroscopy</i> , <b>1993</b> , 47, 1700-1703	3.1	27
163	Determination of the transduction mechanism for optical sensors based on Rhodamine 6G-impregnated perfluorosulfonate films using steady-state and frequency-domain fluorescence. <i>Analytical Chemistry</i> , <b>1991</b> , 63, 797-802	7.8	27
162	Entrainer effect on photochirogenesis in near- and supercritical carbon dioxide: dramatic enhancement of enantioselectivity. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 7526-7	16.4	26
161	The Photophysics of 6-(1-Pyrenyl)hexyl-11(1-pyrenyl)undecanoate Dissolved in Organic Liquids and Supercritical Carbon Dioxide: Impact on Olefin Metathesis. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 1820-1832	3.4	26
160	Static and time-resolved fluorescence of fluorescein-labeled dextran dissolved in aqueous solution or sequestered within a sol-gel-derived hydrogel. <i>Analyst, The</i> , <b>1999</b> , 124, 373-379	5	26
159	6-Propionyl-2-(N,N-dimethylamino)naphthalene (PRODAN) Revisited. <i>Applied Spectroscopy</i> , <b>1997</b> , 51, 1316-1322	3.1	25
158	Integrated chemical sensor array platform based on a light emitting diode, xerogel-derived sensor elements, and high-speed pin printing. <i>Analytica Chimica Acta</i> , <b>2002</b> , 470, 101-110	6.6	25
157	O <sub>2</sub> Quenching of Ruthenium(II) Tris(2,2'-bipyridyl) <sub>2</sub> +within the Water Pool of Perfluoropolyether-Based Reverse Micelles Formed in Supercritical Carbon Dioxide. <i>Langmuir</i> , <b>2000</b> , 16, 5593-5599	4	25
156	Production, Characterization, and Utilization of Aerosol-Deposited Sol-Gel-Derived Films. <i>Chemistry of Materials</i> , <b>1998</b> , 10, 1041-1051	9.6	25
155	Effects of Added CO <sub>2</sub> on the Conformation of Pyrene End-Labeled Poly(dimethylsiloxane) Dissolved in Liquid Toluene. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 8585-8591	3.4	24
154	The binding of free oligopeptides to cyclodextrins: The role of the tyrosine group. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>1996</b> , 26, 185-195		24
153	Reversible Excited-State Transient Solvation in Binary Supercritical Fluids Revealed by Multifrequency Phase and Modulation Fluorescence. <i>Applied Spectroscopy</i> , <b>1990</b> , 44, 1203-1209	3.1	24
152	Homogeneous immunoassay of phenobarbital by phase-resolved fluorescence spectroscopy. <i>Talanta</i> , <b>1985</b> , 32, 15-8	6.2	24
151	Behavior of Acrylodan-Labeled Human Serum Albumin Dissolved in Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 560-569	3.9	23
150	Comparison of dansylated aminopropyl controlled pore glass solvated by molecular and ionic liquids. <i>Langmuir</i> , <b>2007</b> , 23, 843-9	4	23

149	DNA-induced conformational changes in bacteriophage 434 repressor. <i>Journal of Molecular Biology</i> , <b>1999</b> , 294, 859-73	6.5	23
148	Removal of ribonucleases from solution using an inhibitor-based sol-gel-derived Biogel. <i>Analytical Chemistry</i> , <b>1995</b> , 67, 1935-1939	7.8	23
147	Comparison of inter- and intramolecular cyclodextrin complexes. <i>Supramolecular Chemistry</i> , <b>1994</b> , 3, 93-99	1.8	23
146	Behavior of Pyrene End-Labeled Poly(dimethylsiloxane) Polymer Tails in Mixtures of 1-Butyl-3-methylimidazolium Bis(trifluoromethyl)sulfonylimide and Toluene. <i>Macromolecules</i> , <b>2005</b> , 38, 8574-8582	5.5	22
145	The influence of phenylethynyl linkers on the photo-physical properties of metal-free porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2000</b> , 04, 669-683	1.8	22
144	Fiber-optic-based immunosensors for haptens. <i>Analytica Chimica Acta</i> , <b>1991</b> , 246, 55-63	6.6	22
143	Investigation of solute-fluid interactions in supercritical CF <sub>3</sub> H: A multifrequency phase and modulation fluorescence study. <i>Journal of Supercritical Fluids</i> , <b>1992</b> , 5, 48-54	4.2	22
142	A New Fiber-Optic-Based Multifrequency Phase-Modulation Fluorometer. <i>Applied Spectroscopy</i> , <b>1988</b> , 42, 1531-1537	3.1	22
141	Binding affinities of CRBPI and CRBPII for 9-cis-retinoids. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2011</b> , 1810, 514-8	4	21
140	Phase-Resolved Evanescent Wave Induced Fluorescence. An in situ Tool for Studying Heterogeneous Interfaces. <i>Analytical Chemistry</i> , <b>1994</b> , 66, 2433-2440	7.8	21
139	A cationic chalcogenoxanthylum photosensitizer effective in vitro in chemosensitive and multidrug-resistant cells. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 8635-43	3.4	20
138	Analysis of the initial burst of drug release coupled with polymer surface degradation. <i>Pharmaceutical Research</i> , <b>2003</b> , 20, 149-52	4.5	20
137	Synthesis and evaluation of tetracycline imprinted xerogels: comparison of experiment and computational modeling. <i>Analytica Chimica Acta</i> , <b>2011</b> , 684, 63-71	6.6	19
136	Accessibility of the fluorescent reporter group in native, silica-adsorbed, and covalently attached acrylodan-labeled serum albumins. <i>Analytical Chemistry</i> , <b>1996</b> , 68, 3194-8	7.8	19
135	Simple fiber-optic sensor based on immobilized cyclodextrin. <i>Analytica Chimica Acta</i> , <b>1990</b> , 237, 485-490	6.6	19
134	Rapid frequency-scanned fiber-optic fluorometer capable of subnanosecond lifetime determinations. <i>Analytical Chemistry</i> , <b>1986</b> , 58, 3139-3144	7.8	19
133	3. Ocular surface health with contact lens wear. <i>Contact Lens and Anterior Eye</i> , <b>2013</b> , 36 Suppl 1, S14-21	4.1	18
132	Tetracycline speciation during molecular imprinting in xerogels results in class-selective binding. <i>Analyst, The</i> , <b>2011</b> , 136, 749-55	5	18



131	Peer Reviewed: Using Fluorescence to Probe Biosensor Interfacial Dynamics. <i>Analytical Chemistry</i> , <b>1997</b> , 69, 403A-408A	7.8	18
130	Tailored xerogel-based sensor arrays and artificial neural networks yield improved O2 detection accuracy and precision. <i>Analyst, The</i> , <b>2006</b> , 131, 1129-36	5	18
129	Dansylated aminopropyl controlled pore glass: a model for silica-liquid solvation. <i>Langmuir</i> , <b>2004</b> , 20, 10507-16	4	18
128	On the Origin of the Heterogeneous Emission from Pyrene Sequestered Within Tetramethylorthosilicate-Based Xerogels: A Decay-Associated Spectra and O2 Quenching Study. <i>Journal of Sol-Gel Science and Technology</i> , <b>2000</b> , 17, 83-90	2.3	18
127	Conformational Flexibility of 1,3-Bis(1-pyrenyl)propane Throughout the Sol-Gel to Xerogel Process. <i>Chemistry of Materials</i> , <b>1996</b> , 8, 1410-1414	9.6	18
126	Enhanced performance of fibre-optic immunoprobes using refunctionalized fluoropolymers as the substratum. <i>Analytica Chimica Acta</i> , <b>1992</b> , 262, 323-330	6.6	18
125	Effects of Density on the Intramolecular Hydrogen Bonding, Tail-Tail Cyclization, and Mean-Free Tail-to-Tail Distances of Pyrene End-Labeled Poly(dimethylsiloxane) Oligomers Dissolved in Supercritical CO2. <i>Macromolecules</i> , <b>2001</b> , 34, 6831-6838	5.5	17
124	Spectroscopic system for direct lanthanide photoluminescence spectroscopy with nanomolar detection limits. <i>Applied Spectroscopy</i> , <b>2009</b> , 63, 483-93	3.1	16
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