

Otto S Wolfbeis

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5326722/otto-s-wolfbeis-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

522
papers

32,846
citations

92
h-index

156
g-index

553
ext. papers

35,491
ext. citations

7
avg, IF

7.86
L-index

#	Paper	IF	Citations
522	Electrochemical sensors targeting salivary biomarkers: A comprehensive review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 135, 116164	14.6	37
521	Fluorescent chameleon labels for bioconjugation and imaging of proteins, nucleic acids, biogenic amines and surface amino groups. a review. <i>Methods and Applications in Fluorescence</i> , 2021 , 9,	3.1	2
520	Optical Sensing and Imaging of pH Values: Spectroscopies, Materials, and Applications. <i>Chemical Reviews</i> , 2020 , 120, 12357-12489	68.1	113
519	Fiber-Optic Chemical Sensors and Biosensors (2015-2019). <i>Analytical Chemistry</i> , 2020 , 92, 397-430	7.8	96
518	Electrochemical sensors and biosensors using laser-derived graphene: A comprehensive review. <i>Biosensors and Bioelectronics</i> , 2020 , 168, 112565	11.8	47
517	A MXene-Based Wearable Biosensor System for High-Performance In Vitro Perspiration Analysis. <i>Small</i> , 2019 , 15, e1901190	11	157
516	KAUSTat: A Wireless, Wearable, Open-Source Potentiostat for Electrochemical Measurements 2019 ,		4
515	Expression of Concern: Magnetic mesoporous polymelamine-formaldehyde resin as an adsorbent for endocrine disrupting chemicals. <i>Mikrochimica Acta</i> , 2018 , 185, 232	5.8	
514	Mn-Doped Cesium Lead Chloride Perovskite Nanocrystals: Demonstration of Oxygen Sensing Capability Based on Luminescent Dopants and Host-Dopant Energy Transfer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23335-23343	9.5	44
513	Deposition of nanomaterials: A crucial step in biosensor fabrication. <i>Materials Today Communications</i> , 2018 , 17, 289-321	2.5	92
512	Laser-Scribed Graphene Electrodes for Aptamer-Based Biosensing. <i>ACS Sensors</i> , 2017 , 2, 616-620	9.2	115
511	Double-mesoporous core-shell nanosystems based on platinum nanoparticles functionalized with lanthanide complexes for in vivo magnetic resonance imaging and photothermal therapy. <i>Nanoscale</i> , 2017 , 9, 16012-16023	7.7	29
510	Europium-doped GdVO ₄ nanocrystals as a luminescent probe for hydrogen peroxide and for enzymatic sensing of glucose. <i>Sensors and Actuators B: Chemical</i> , 2017 , 241, 349-356	8.5	52
509	Two-Photon Excitation Temperature Nanosensors Based on a Conjugated Fluorescent Polymer Doped with a Europium Probe. <i>Advanced Optical Materials</i> , 2016 , 4, 1854-1859	8.1	28
508	Fiber-Optic Chemical Sensors and Biosensors (2013-2015). <i>Analytical Chemistry</i> , 2016 , 88, 203-27	7.8	291
507	A Phytic Acid Induced Super-Amphiphilic Multifunctional 3D Graphene-Based Foam. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3936-41	16.4	139
506	Enzyme-Based Test Strips for Visual or Photographic Detection and Quantitation of Gaseous Sulfur Mustard. <i>Analytical Chemistry</i> , 2016 , 88, 6044-9	7.8	28

505	Rational tailoring of ZnSnO ₄ /TiO ₂ heterojunctions with bioinspired surface wettability for high-performance humidity nanosensors. <i>Nanoscale</i> , 2015 , 7, 4149-55	7.7	33
504	A water-sprayable, thermogelating and biocompatible polymer host for use in fluorescent chemical sensing and imaging of oxygen, pH values and temperature. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 37-44	8.5	27
503	Water dispersible upconverting nanoparticles: effects of surface modification on their luminescence and colloidal stability. <i>Nanoscale</i> , 2015 , 7, 1403-10	7.7	172
502	Nanomaterial-based electrochemical sensing of neurological drugs and neurotransmitters. <i>Mikrochimica Acta</i> , 2015 , 182, 1-41	5.8	244
501	Luminescent sensing and imaging of oxygen: fierce competition to the Clark electrode. <i>BioEssays</i> , 2015 , 37, 921-8	4.1	125
500	Composite particles with magnetic properties, near-infrared excitation, and far-red emission for luminescence-based oxygen sensing. <i>Microsystems and Nanoengineering</i> , 2015 , 1,	7.7	8
499	An overview of nanoparticles commonly used in fluorescent bioimaging. <i>Chemical Society Reviews</i> , 2015 , 44, 4743-68	58.5	1063
498	Photonic crystals for chemical sensing and biosensing. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3318-35	16.4	522
497	Upconversion nanoparticles: from hydrophobic to hydrophilic surfaces. <i>Accounts of Chemical Research</i> , 2014 , 47, 3481-93	24.3	181
496	Hypoxia in Leishmania major skin lesions impairs the NO-dependent leishmanicidal activity of macrophages. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 2339-2346	4.3	37
495	Spectrally matched upconverting luminescent nanoparticles for monitoring enzymatic reactions. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 15427-33	9.5	36
494	Chemische Sensorik mit Nanoteilchen. <i>Nachrichten Aus Der Chemie</i> , 2014 , 62, 157-160	0.1	
493	Direct formation of mesoporous upconverting core-shell nanoparticles for bioimaging of living cells. <i>Mikrochimica Acta</i> , 2014 , 181, 775-781	5.8	17
492	Targetable Phosphorescent Oxygen Nanosensors for the Assessment of Tumor Mitochondrial Dysfunction By Monitoring the Respiratory Activity. <i>Angewandte Chemie</i> , 2014 , 126, 12679-12683	3.6	21
491	Size dependence of the upconverted luminescence of NaYF ₄ :Er,Yb microspheres for use in ratiometric thermometry. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 20009-12	3.6	136
490	Targetable phosphorescent oxygen nanosensors for the assessment of tumor mitochondrial dysfunction by monitoring the respiratory activity. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12471-5	16.4	21
489	Luminescent dual sensors reveal extracellular pH-gradients and hypoxia on chronic wounds that disrupt epidermal repair. <i>Theranostics</i> , 2014 , 4, 721-35	12.1	91
488	Photonische Kristalle für die Chemo- und Biosensorik. <i>Angewandte Chemie</i> , 2014 , 126, 3384-3402	3.6	17

487	Optical methods for sensing and imaging oxygen: materials, spectroscopies and applications. <i>Chemical Society Reviews</i> , 2014 , 43, 3666-761	58.5	705
486	Photonic Crystal-Based Sensing and Imaging of Potassium Ions. <i>Chemosensors</i> , 2014 , 2, 207-218	4	13
485	Ultra-small, highly stable, and membrane-impermeable fluorescent nanosensors for oxygen. <i>Methods and Applications in Fluorescence</i> , 2013 , 1, 035002	3.1	12
484	Glucose Sensing and Glucose Determination Using Fluorescent Probes 2013 , 11		1
483	Tyrosine specific sequential labeling of proteins. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 5776-8	2.9	14
482	A highly K(+)-selective phenylaza-[18]crown-6-lariat-ether-based fluoroionophore and its application in the sensing of K+ ions with an optical sensor film and in cells. <i>Chemistry - A European Journal</i> , 2013 , 19, 14911-7	4.8	57
481	Sensing and imaging of oxygen with parts per billion limits of detection and based on the quenching of the delayed fluorescence of (13)C70 fullerene in polymer hosts. <i>Analytical Chemistry</i> , 2013 , 85, 1300-4	7.8	58
480	Optical sensing of the ionic strength using photonic crystals in a hydrogel matrix. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 173-8	9.5	84
479	Referenced luminescent sensing and imaging with digital color cameras: A comparative study. <i>Sensors and Actuators B: Chemical</i> , 2013 , 177, 500-506	8.5	59
478	Fiber-optic chemical sensors and biosensors (2008-2012). <i>Analytical Chemistry</i> , 2013 , 85, 487-508	7.8	367
477	Fluorescent pH-Sensitive Nanoparticles in an Agarose Matrix for Imaging of Bacterial Growth and Metabolism. <i>Angewandte Chemie</i> , 2013 , 125, 424-427	3.6	12
476	Fluorescent pH-sensitive nanoparticles in an agarose matrix for imaging of bacterial growth and metabolism. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 406-9	16.4	99
475	Imaging of cellular oxygen via two-photon excitation of fluorescent sensor nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 257-262	8.5	26
474	Photon-upconverting nanoparticles for optical encoding and multiplexing of cells, biomolecules, and microspheres. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 3584-600	16.4	352
473	Luminescent probes and sensors for temperature. <i>Chemical Society Reviews</i> , 2013 , 42, 7834-69	58.5	1098
472	Ratiometric luminescence 2D in vivo imaging and monitoring of mouse skin oxygenation. <i>Methods and Applications in Fluorescence</i> , 2013 , 1, 045002	3.1	23
471	Multicolor upconversion nanoparticles for protein conjugation. <i>Theranostics</i> , 2013 , 3, 239-48	12.1	80
470	Photonen aufkonvertierende Nanopartikel zur optischen Codierung und zum Multiplexing von Zellen, Biomolekülen und Mikrosphären. <i>Angewandte Chemie</i> , 2013 , 125, 3668-3686	3.6	40

469	Long time monitoring of the respiratory activity of isolated mitochondria. <i>Experimental Cell Research</i> , 2012 , 318, 1667-72	4.2	8
468	Graphenes in chemical sensors and biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 39, 87-113	14.6	170
467	Surface plasmon resonance sensor for dissolved and gaseous carbon dioxide. <i>Analytical Chemistry</i> , 2012 , 84, 9085-8	7.8	30
466	Referenced dual pressure- and temperature-sensitive paint for digital color camera read out. <i>Chemistry - A European Journal</i> , 2012 , 18, 15706-13	4.8	43
465	Efficient fluorescence "turn-on" sensing of dissolved oxygen by electrochemical switching. <i>Analytical Chemistry</i> , 2012 , 84, 9163-8	7.8	32
464	Ultra-small, highly stable, and sensitive dual nanosensors for imaging intracellular oxygen and pH in cytosol. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17011-4	16.4	189
463	Dual lifetime referenced fluorometry for the determination of doxorubicin in urine. <i>Analytica Chimica Acta</i> , 2012 , 729, 62-6	6.6	23
462	Dating ivory by determination of ¹⁴ C, ⁹⁰ Sr and ²²⁸ / ²³² Th. <i>Forensic Science International</i> , 2012 , 221, 5-10	2.6	3
461	A sprayable luminescent pH sensor and its use for wound imaging in vivo. <i>Experimental Dermatology</i> , 2012 , 21, 951-3	4	44
460	Maleimide activation of photon upconverting nanoparticles for bioconjugation. <i>Nanotechnology</i> , 2012 , 23, 485103	3.4	38
459	Photon upconverting nanoparticles for luminescent sensing of temperature. <i>Nanoscale</i> , 2012 , 4, 7090-6	7.7	181
458	A Fluorophore-Doped Polymer Nanomaterial for Referenced Imaging of pH and Temperature with Sub-Micrometer Resolution. <i>Advanced Functional Materials</i> , 2012 , 22, 4202-4207	15.6	48
457	DNA Nanolamps: Clicked DNA Conjugates with Photon Upconverting Nanoparticles as Highly Emissive Biomaterial. <i>ChemPlusChem</i> , 2012 , 77, 129-134	2.8	20
456	The pH dependence of the total fluorescence of graphite oxide. <i>Journal of Fluorescence</i> , 2012 , 22, 849-55	5.4	41
455	Photonic crystal based sensor for organic solvents and for solvent-water mixtures. <i>Sensors</i> , 2012 , 12, 16954-63	3.8	39
454	(Z)-N-(7-Cyano-9,9,15,15-tetramethyl-9,10,11,13,14,15-hexahydro-6H-benzo[4",5"]imidazo[1",2":1',2']pyrido[3',4':5,6]pyrano[2,3-f]pyrido[3,2,1-ij]quinolin-6-ylidene)pent-4-ynamide. <i>MolBank</i> , 2012 , 2012, M783	0.5	
453	The activity ratio of ²²⁸ Th to ²²⁸ Ra in bone tissue of recently deceased humans: a new dating method in forensic examinations. <i>Anthropologischer Anzeiger</i> , 2012 , 69, 147-57	0.6	6
452	Optical sensing scheme for carbon dioxide using a solvatochromic probe. <i>Analytical Chemistry</i> , 2011 , 83, 2846-51	7.8	73

451	Long-wavelength absorbing and fluorescent chameleon labels for proteins, peptides, and amines. <i>Bioconjugate Chemistry</i> , 2011 , 22, 1433-7	6.3	31
450	Optical methods for sensing glucose. <i>Chemical Society Reviews</i> , 2011 , 40, 4805-39	58.5	367
449	2D luminescence imaging of physiological wound oxygenation. <i>Experimental Dermatology</i> , 2011 , 20, 550-4	4	54
448	Brightly fluorescent purple and blue labels for amines and proteins. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 5538-42	2.9	7
447	Detection of biotin-avidin affinity binding by exploiting a self-referenced system composed of upconverting luminescent nanoparticles and gold nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 4603-4611	2.3	41
446	New silica and polystyrene nanoparticles labeled with longwave absorbing and fluorescent chameleon dyes. <i>Mikrochimica Acta</i> , 2011 , 174, 429-434	5.8	9
445	Radionuklidanalyse von ²²⁸ Th und ²²⁸ Ra. <i>Rechtsmedizin</i> , 2011 , 21, 124-130	0.6	9
444	Irreversible sensing of oxygen ingress. <i>Sensors and Actuators B: Chemical</i> , 2011 , 153, 199-204	8.5	21
443	Tuning the dual emission of photon-upconverting nanoparticles for ratiometric multiplexed encoding. <i>Advanced Materials</i> , 2011 , 23, 1652-5	24	142
442	Luminescent Sensing of Oxygen Using a Quenchable Probe and Upconverting Nanoparticles. <i>Angewandte Chemie</i> , 2011 , 123, 274-277	3.6	34
441	Aufkonvertierende lumineszierende Nanopartikel als Nanothermometer. <i>Angewandte Chemie</i> , 2011 , 123, 4640-4645	3.6	23
440	Simultaneous Photographing of Oxygen and pH In Vivo Using Sensor Films. <i>Angewandte Chemie</i> , 2011 , 123, 11085-11088	3.6	18
439	Luminescent sensing of oxygen using a quenchable probe and upconverting nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 260-3	16.4	213
438	Upconverting nanoparticles for nanoscale thermometry. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4546-51	16.4	490
437	Simultaneous photographing of oxygen and pH in vivo using sensor films. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10893-6	16.4	101
436	Quenching of the luminescence of upconverting luminescent nanoparticles by heavy metal ions. <i>Chemistry - A European Journal</i> , 2011 , 17, 14611-7	4.8	81
435	A new fluorescent PET probe for hydrogen peroxide and its use in enzymatic assays for L-lactate and D-glucose. <i>ChemBioChem</i> , 2011 , 12, 2779-85	3.8	21
434	Luminescent chemical sensing, biosensing, and screening using upconverting nanoparticles. <i>Topics in Current Chemistry</i> , 2011 , 300, 29-50		71

433	Self-referenced RGB colour imaging of intracellular oxygen. <i>Chemical Science</i> , 2011 , 2, 901	9.4	91
432	Selective picomolar detection of mercury(II) using optical sensors. <i>Chemical Communications</i> , 2011 , 47, 1842-4	5.8	43
431	Hydrogen sensor based on a graphene/palladium nanocomposite. <i>Electrochimica Acta</i> , 2011 , 56, 3707-3712	7.1	145
430	Age assessment of ivory by analysis of ¹⁴ C and ⁹⁰ Sr to determine whether there is an antique on hand. <i>Forensic Science International</i> , 2011 , 207, e1-4	2.6	9
429	2D luminescence imaging of pH in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 2432-7	11.5	153
428	Synthetic incorporation of Nile Blue into DNA using 2'-deoxyriboside substitutes: Representative comparison of (R)- and (S)-aminopropanediol as an acyclic linker. <i>Beilstein Journal of Organic Chemistry</i> , 2010 , 6, 13	2.5	7
427	A near-infrared fluorescent probe for monitoring tyrosinase activity. <i>Chemical Communications</i> , 2010 , 46, 2560-2	5.8	59
426	Chromogenic sensing of biogenic amines using a chameleon probe and the red-green-blue readout of digital camera images. <i>Analytical Chemistry</i> , 2010 , 82, 8402-5	7.8	82
425	Optical ammonia sensor based on upconverting luminescent nanoparticles. <i>Analytical Chemistry</i> , 2010 , 82, 5002-4	7.8	173
424	Multiple fluorescent chemical sensing and imaging. <i>Chemical Society Reviews</i> , 2010 , 39, 3102-14	58.5	287
423	Dual sensing of pO ₂ and temperature using a water-based and sprayable fluorescent paint. <i>Analyst, The</i> , 2010 , 135, 1224-9	5	47
422	Temperature-Sensitive Luminescent Nanoparticles and Films Based on a Terbium (III) Complex Probe. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 12642-12648	3.8	93
421	Novel multicolor fluorescently labeled silica nanoparticles for interface fluorescence resonance energy transfer to and from labeled avidin. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 1615-23	4.4	15
420	Opto-chemical micro-capillary clocks. <i>Mikrochimica Acta</i> , 2010 , 171, 211-216	5.8	4
419	Determination of ²²⁸ Ra in human bone ash containing significant quantities of ⁴⁰ K and Ca ²⁺ . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010 , 283, 69-73	1.5	2
418	A study on thorium levels in human femur bones. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010 , 285, 187-192	1.5	3
417	Ratiometric fluorescent nanoparticles for sensing temperature. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 2729-2733	2.3	57
416	Click Chemistry Based Method for the Preparation of Maleimide-Type Thiol-Reactive Labels. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 6922-6927	3.2	12

4 ¹⁵	A new weakly basic amino-reactive fluorescent label for use in isoelectric focusing and chip electrophoresis. <i>Electrophoresis</i> , 2010 , 31, 2749-53	3.6	7
4 ¹⁴	Luminescent Europium(III) nanoparticles for sensing and imaging of temperature in the physiological range. <i>Advanced Materials</i> , 2010 , 22, 716-9	24	367
4 ¹³	Surface-modified upconverting microparticles and nanoparticles for use in click chemistries. <i>Chemistry - A European Journal</i> , 2010 , 16, 5416-24	4.8	58
4 ¹²	A nanogel for ratiometric fluorescent sensing of intracellular pH values. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4246-9	16.4	203
4 ¹¹	Photographing oxygen distribution. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4907-9	16.4	71
4 ¹⁰	Colloidal silica nanoparticles for use in click chemistry-based conjugations and fluorescent affinity assays. <i>Sensors and Actuators B: Chemical</i> , 2010 , 150, 211-219	8.5	27
4 ⁰⁹	Upconverting nanoparticle based optical sensor for carbon dioxide. <i>Sensors and Actuators B: Chemical</i> , 2010 , 150, 126-131	8.5	104
4 ⁰⁸	Upconverting luminescent nanoparticles for use in bioconjugation and bioimaging. <i>Current Opinion in Chemical Biology</i> , 2010 , 14, 582-96	9.7	400
4 ⁰⁷	Multicolor Fluorescent and Permeation-Selective Microbeads Enable Simultaneous Sensing of pH, Oxygen, and Temperature. <i>Advanced Materials</i> , 2009 , 21, 2216-2220	24	85
4 ⁰⁶	Red- and green-emitting iridium(III) complexes for a dual barometric and temperature-sensitive paint. <i>Chemistry - A European Journal</i> , 2009 , 15, 10857-63	4.8	84
4 ⁰⁵	Probing the activity of matrix metalloproteinase II with a sequentially click-labeled silica nanoparticle FRET probe. <i>ChemBioChem</i> , 2009 , 10, 2316-20	3.8	32
4 ⁰⁴	Dual labeling of biomolecules by using click chemistry: a sequential approach. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 344-7	16.4	107
4 ⁰³	Nanoparticle-enhanced fluorescence imaging of latent fingerprints reveals drug abuse. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2268-9	16.4	66
4 ⁰²	Monitoring cell cultivation in microfluidic segments by optical pH sensing with a micro flow-through fluorometer using dye-doped polymer particles. <i>Mikrochimica Acta</i> , 2009 , 164, 279-286	5.8	34
4 ⁰¹	New diode laser-excitable green fluorescent label and its application to detection of bovine serum albumin via microchip electrophoresis. <i>Mikrochimica Acta</i> , 2009 , 166, 183-188	5.8	7
4 ⁰⁰	Determination of biogenic amines by capillary electrophoresis using a chameleon type of fluorescent stain. <i>Mikrochimica Acta</i> , 2009 , 167, 259-266	5.8	41
399	Highly resolved dose-response functions for drug-modulated bacteria cultivation obtained by fluorometric and photometric flow-through sensing in microsegmented flow. <i>Sensors and Actuators B: Chemical</i> , 2009 , 142, 66-72	8.5	28
398	Analysing of ²²⁸ Th, ²³² Th, ²²⁸ Ra in human bone tissues for the purpose of determining the post mortal interval. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009 , 280, 113-119	1.5	16

397	A fluorescent probe for diacetyl detection. <i>Journal of Fluorescence</i> , 2009 , 19, 601-6	2.4	13
396	Method for simultaneous luminescence sensing of two species using optical probes of different decay time, and its application to an enzymatic reaction at varying temperature. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 393, 1199-207	4.4	50
395	Gas sensing properties of electrically conductive Cu(I) compounds at elevated temperatures. <i>Sensors and Actuators B: Chemical</i> , 2009 , 142, 446-450	8.5	6
394	Clickable fluorophores for biological labeling--with or without copper. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3486-90	3.9	61
393	Exceptional Oxygen Sensing Capabilities and Triplet State Properties of Ir(ppy-NPh ₂) ₃ . <i>Chemistry of Materials</i> , 2009 , 21, 2173-2175	9.6	113
392	pH sensor based on upconverting luminescent lanthanide nanorods. <i>Chemical Communications</i> , 2009 , 5000-2	5.8	170
391	Comparison of a nucleosidic vs non-nucleosidic postsynthetic "click" modification of DNA with base-labile fluorescent probes. <i>Bioconjugate Chemistry</i> , 2009 , 20, 558-64	6.3	87
390	Classification of Chemical Sensors and Biosensors Based on Fluorescence and Phosphorescence. <i>Springer Series on Fluorescence</i> , 2008 , 325-346	0.5	10
389	Dual fluorescence sensor for trace oxygen and temperature with unmatched range and sensitivity. <i>Analytical Chemistry</i> , 2008 , 80, 6449-57	7.8	198
388	Optochemical Sensors 2008 , 573-645		4
387	Fluorescence Sensing and Imaging Using Pressure-Sensitive Paints and Temperature-Sensitive Paints. <i>Springer Series on Fluorescence</i> , 2008 , 429-461	0.5	14
386	Fiber-optic chemical sensors and biosensors. <i>Analytical Chemistry</i> , 2008 , 80, 4269-83	7.8	411
385	SDS-PAGE of proteins using a chameleon-type of fluorescent prestain. <i>Analytical Chemistry</i> , 2008 , 80, 6274-9	7.8	28
384	Time-resolved fluorescence-based assay for the determination of alkaline phosphatase activity and application to the screening of its inhibitors. <i>Journal of Biomolecular Screening</i> , 2008 , 13, 9-16		30
383	Applications of Optochemical Sensors for Measuring Chemical Quantities 2008 , 867-930		
382	Applications of Optochemical Sensors for Measuring Environmental and Biochemical Quantities 2008 , 931-967		
381	Probing DNA hybridization in homogeneous solution and at interfaces via measurement of the intrinsic fluorescence decay time of a single label. <i>Journal of Fluorescence</i> , 2008 , 18, 413-21	2.4	5
380	Fluorescent probes for microdetermination of inorganic phosphates and biophosphates. <i>Mikrochimica Acta</i> , 2008 , 161, 1-39	5.8	56

379	Boronic acid based probes for microdetermination of saccharides and glycosylated biomolecules. <i>Mikrochimica Acta</i> , 2008 , 162, 1-34	5.8	163
378	Multiplex bacterial growth monitoring in 24-well microplates using a dual optical sensor for dissolved oxygen and pH. <i>Biotechnology and Bioengineering</i> , 2008 , 100, 430-8	4.9	100
377	A Dual Luminescent Sensor Material for Simultaneous Imaging of Pressure and Temperature on Surfaces. <i>Advanced Functional Materials</i> , 2008 , 18, 1399-1406	15.6	142
376	Fully reversible optical biosensors for uric acid using oxygen transduction. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 1000-5	11.8	55
375	Optical biosensors. <i>Chemical Reviews</i> , 2008 , 108, 423-61	68.1	773
374	Fluorescent silica nanoparticles. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1130, 218-23	6.5	59
373	Transcutaneous pO ₂ imaging during tourniquet-induced forearm ischemia using planar optical oxygen sensors. <i>Skin Research and Technology</i> , 2008 , 14, 304-11	1.9	42
372	Optical Carbon Dioxide Sensors Based on Silicone-Encapsulated Room-Temperature Ionic Liquids. <i>Chemistry of Materials</i> , 2007 , 19, 6187-6194	9.6	62
371	Fiber-optic microsensors for simultaneous sensing of oxygen and pH, and of oxygen and temperature. <i>Analytical Chemistry</i> , 2007 , 79, 8486-93	7.8	94
370	A resonance energy transfer immunoassay based on a thiol-reactive ruthenium donor dye and a longwave-emitting acceptor. <i>ChemBioChem</i> , 2007 , 8, 122-8	3.8	29
369	Synthesis and characterization of the first fluorescent nonpeptide NPY Y1 receptor antagonist. <i>ChemBioChem</i> , 2007 , 8, 1981-8	3.8	46
368	Europium tetracycline as a luminescent probe for nucleoside phosphates and its application to the determination of kinase activity. <i>Chemistry - A European Journal</i> , 2007 , 13, 4342-9	4.8	114
367	An optical thermometer based on the delayed fluorescence of C70. <i>Chemistry - A European Journal</i> , 2007 , 13, 3643-51	4.8	86
366	Optical sensing and imaging of trace oxygen with record response. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2317-9	16.4	80
365	The click reaction in the luminescent probing of metal ions, and its implications on biolabeling techniques. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2980-2	16.4	50
364	Sensitive luminescent determination of DNA using the terbium(III)-difloxacin complex. <i>Analytica Chimica Acta</i> , 2007 , 584, 260-7	6.6	23
363	Optical multiple chemical sensing: status and current challenges. <i>Analyst, The</i> , 2007 , 132, 507-11	5	115
362	Cell-type Specific Protoporphyrin IX Metabolism in Human Bladder Cancer in vitro. <i>Photochemistry and Photobiology</i> , 2007 , 72, 226-233	3.6	4

361	Novel Diode Laser-compatible Fluorophores and Their Application to Single Molecule Detection, Protein Labeling and Fluorescence Resonance Energy Transfer Immunoassay. <i>Photochemistry and Photobiology</i> , 2007 , 74, 237-245	3.6	3
360	Entwicklung eines optischen pH-Sensors zur Früherkennung korrosionsgefährdender Zustände in Stahlbeton (Development of an Optical pH Sensor for Early Detection of Danger of Corrosion in Steel-Reinforced Concrete Structures). <i>TM Technisches Messen</i> , 2007 , 74, 211-216	0.7	2
359	New Plastic Microparticles and Nanoparticles for Fluorescent Sensing and Encoding. <i>Springer Series on Fluorescence</i> , 2007 , 431-463	0.5	5
358	Capacitive detection in ultrathin chemosensors prepared by molecularly imprinted grafting photopolymerization. <i>Analytical Chemistry</i> , 2007 , 79, 3220-5	7.8	52
357	Electrocatalytic activity of DNA on electrodes as an indication of hybridisation. <i>Bioelectrochemistry</i> , 2006 , 68, 1-6	5.6	9
356	A novel method for time-resolved fluorimetric determination and imaging of the activity of peroxidase, and its application to an enzyme-linked immunosorbent assay. <i>Chemistry - A European Journal</i> , 2006 , 12, 2730-8	4.8	31
355	Composite Luminescent Material for Dual Sensing of Oxygen and Temperature. <i>Advanced Functional Materials</i> , 2006 , 16, 1536-1542	15.6	154
354	Composite Material for Simultaneous and Contactless Luminescent Sensing and Imaging of Oxygen and Carbon Dioxide. <i>Advanced Materials</i> , 2006 , 18, 1511-1516	24	86
353	Glucose Sensing and Glucose Determination Using Fluorescent Probes and Molecular Receptors 2006 , 351-375		3
352	FIBER OPTIC CHEMICAL SENSORS AND BIOSENSORS: A VIEW BACK. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2006 , 17-44		13
351	Indicator-Loaded Permeation-Selective Microbeads for Use in Fiber Optic Simultaneous Sensing of pH and Dissolved Oxygen. <i>Chemistry of Materials</i> , 2006 , 18, 4609-4616	9.6	78
350	Fiber-optic chemical sensors and biosensors. <i>Analytical Chemistry</i> , 2006 , 78, 3859-74	7.8	235
349	Temperature-sensitive europium(III) probes and their use for simultaneous luminescent sensing of temperature and oxygen. <i>Analytical Chemistry</i> , 2006 , 78, 5094-101	7.8	196
348	Modified dual lifetime referencing method for simultaneous optical determination and sensing of two analytes. <i>Applied Spectroscopy</i> , 2006 , 60, 1167-73	3.1	33
347	Microtiter plate assay for phosphate using a europium-tetracycline complex as a sensitive luminescent probe. <i>Analytica Chimica Acta</i> , 2006 , 555, 292-298	6.6	43
346	Characterization of microtiterplates with integrated optical sensors for oxygen and pH, and their applications to enzyme activity screening, respirometry, and toxicological assays. <i>Sensors and Actuators B: Chemical</i> , 2006 , 113, 639-648	8.5	62
345	An interpretation procedure for the purpose of incorporation monitoring during decommissioning of nuclear reactors. <i>Kerntechnik</i> , 2006 , 71, 134-143	0.4	
344	Fiber optic pH sensor for early detection of danger of corrosion in steel-reinforced concrete structures 2005 , 5758, 274		6

343	Fluorescence quenching of the europium tetracycline hydrogen peroxide complex by copper (II) and other metal ions. <i>Applied Spectroscopy</i> , 2005 , 59, 1209-16	3.1	47
342	Materials for fluorescence-based optical chemical sensors. <i>Journal of Materials Chemistry</i> , 2005 , 15, 2657		405
341	Nanometer-thick SPR sensor for gaseous HCl. <i>Sensors and Actuators B: Chemical</i> , 2005 , 106, 369-372	8.5	32
340	Optical ozone-sensing properties of poly(2-chloroaniline), poly(N-methylaniline) and polyaniline films. <i>Sensors and Actuators B: Chemical</i> , 2005 , 108, 528-534	8.5	24
339	Strong emission increase of a dicarboxyterpyridene europium (III) complex in the presence of citrate and hydrogen peroxide. <i>Inorganica Chimica Acta</i> , 2005 , 358, 2445-2448	2.7	17
338	Fluorescence imaging of the activity of glucose oxidase using a hydrogen-peroxide-sensitive europium probe. <i>Analytical Biochemistry</i> , 2005 , 340, 66-73	3.1	69
337	Novel type of general protein assay using a chromogenic and fluorogenic amine-reactive probe. <i>Analytical Biochemistry</i> , 2005 , 344, 122-9	3.1	48
336	In vivo phosphorescence imaging of pO ₂ using planar oxygen sensors. <i>Microcirculation</i> , 2005 , 12, 477-87	2.9	62
335	Double-wavelength technique for surface plasmon resonance measurements: basic concept and applications for single sensors and two-dimensional sensor arrays. <i>Analytical Chemistry</i> , 2005 , 77, 2393-9	7.8	40
334	Determination of picomolar concentrations of proteins using novel amino reactive chameleon labels and capillary electrophoresis laser-induced fluorescence detection. <i>Electrophoresis</i> , 2005 , 26, 2208-13	3.6	53
333	Size-controlled electrochemical synthesis of metal nanoparticles on monomolecular templates. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6775-8	16.4	37
332	Größengesteuerte elektrochemische Synthese von Metallnanopartikeln auf molekularen Templaten. <i>Angewandte Chemie</i> , 2005 , 117, 6933-6936	3.6	1
331	Time-resolved fluorescent chirality sensing and imaging of malate in aqueous solution. <i>Chirality</i> , 2005 , 17, 464-9	2.1	13
330	Fluorescence Analysis in Microarray Technology. <i>Mikrochimica Acta</i> , 2005 , 151, 1-21	5.8	108
329	A new fluorescence resonance energy transfer pair and its application to oligonucleotide labeling and fluorescence resonance energy transfer hybridization studies. <i>Journal of Fluorescence</i> , 2005 , 15, 207-14	2.4	12
328	Improved routine bio-medical and bio-analytical online fluorescence measurements using fluorescence lifetime resolution. <i>Journal of Fluorescence</i> , 2005 , 15, 423-32	2.4	14
327	Nonenzymatic direct assay of hydrogen peroxide at neutral pH using the Eu ³⁺ Tc fluorescent probe. <i>Journal of Fluorescence</i> , 2005 , 15, 755-61	2.4	30
326	High-throughput analysis of bulk and contact conductance of polymer layers on electrodes. <i>Measurement Science and Technology</i> , 2005 , 16, 95-99	2	31

325	Screening scheme based on measurement of fluorescence lifetime in the nanosecond domain. <i>Journal of Biomolecular Screening</i> , 2005 , 10, 687-94		16
324	Time-resolved fluorescent imaging of glucose. <i>Journal of Fluorescence</i> , 2004 , 14, 561-8	2.4	38
323	Combinatorial Approach Towards Materials for Optical Ion Sensors. <i>Mikrochimica Acta</i> , 2004 , 147, 87	5.8	19
322	Time-resolved enzymatic determination of glucose using a fluorescent europium probe for hydrogen peroxide. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 380, 619-26	4.4	26
321	Fluorescent imaging of citrate and other intermediates in the citric Acid cycle. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 1735-8	16.4	75
320	Chameleon labels for staining and quantifying proteins. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5400-2	16.4	99
319	Fluoreszenz-Imaging von Citrat und anderen Zwischenprodukten des Citrat-Zyklus. <i>Angewandte Chemie</i> , 2004 , 116, 1767-1770	3.6	18
318	Ein Chameleon-Marker zur Anfrbung und quantitativen Bestimmung von Proteinen. <i>Angewandte Chemie</i> , 2004 , 116, 5515-5517	3.6	10
317	Multiparameter High Throughput Characterization of Combinatorial Chemical Microarrays of Chemosensitive Polymers. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 253-258	4.8	37
316	A combinatorial approach for development of materials for optical sensing of gases. <i>ACS Combinatorial Science</i> , 2004 , 6, 325-31		57
315	Fiber-optic chemical sensors and biosensors. <i>Analytical Chemistry</i> , 2004 , 76, 3269-83	7.8	275
314	Fluorescent pH sensors with negligible sensitivity to ionic strength. <i>Analyst, The</i> , 2004 , 129, 645-50	5	95
313	Optical Sensors. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2004 ,	2	117
312	Optical Technology until the Year 2000: An Historical Overview 2004 , 1-34		10
311	Serum Chloride Optical Sensors Based on Dynamic Quenching of the Fluorescence of Photo-Immobilized Lucigenin. <i>Mikrochimica Acta</i> , 2003 , 142, 245-253	5.8	27
310	Detection of Hydrogen Peroxide in River Water via a Microplate Luminescence Assay with Time-Resolved (Gated) Detection. <i>Mikrochimica Acta</i> , 2003 , 143, 269-274	5.8	65
309	Reversible Optical Sensor Membrane for Hydrogen Peroxide Using an Immobilized Fluorescent Probe, and its Application to a Glucose Biosensor. <i>Mikrochimica Acta</i> , 2003 , 143, 221-227	5.8	70
308	Determination of the activity of catalase using a europium(III)-tetracycline-derived fluorescent substrate. <i>Analytical Biochemistry</i> , 2003 , 320, 129-35	3.1	60

307	Fluorescence studies on fluid ordered membranes using lipophilic ruthenium-ligand complexes with long luminescence decay times. <i>Journal of Molecular Liquids</i> , 2003 , 107, 141-154	6	2
306	Set of fluorochromophores in the wavelength range from 450 to 700 nm and suitable for labeling proteins and amino-modified DNA. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003 , 793, 83-92	3.2	26
305	Effects of light fractionation and different fluence rates on photodynamic therapy with 5-aminolaevulinic acid in vivo. <i>British Journal of Cancer</i> , 2003 , 88, 1462-9	8.7	66
304	Characterisation of an optical sensor membrane based on the metal ion indicator Pyrocatechol Violet. <i>Sensors and Actuators B: Chemical</i> , 2003 , 90, 230-235	8.5	64
303	A simple strategy for preparation of sensor arrays: molecularly structured monolayers as recognition elements. <i>Chemical Communications</i> , 2003 , 432-3	5.8	45
302	Optical sensors for application in intelligent food-packaging technology 2003 , 4876, 806		6
301	Cross-reactive metal ion sensor array in a micro titer plate format. <i>Analytical Chemistry</i> , 2003 , 75, 4389-96.8	6.8	99
300	Time-resolved luminescence imaging of hydrogen peroxide using sensor membranes in a microwell format. <i>Applied Spectroscopy</i> , 2003 , 57, 1386-92	3.1	44
299	Characterization of a reservoir-type capillary optical microsensor for pCO(2) measurements. <i>Talanta</i> , 2003 , 59, 261-7	6.2	40
298	Application of Combinatorial Electropolymerization to the Development of Chemical Sensors. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 804, 121		
297	Der Europium-Tetracyclin-Komplex als lumineszierende Sonde für Wasserstoffperoxid. <i>Angewandte Chemie</i> , 2002 , 114, 4681-4684	3.6	21
296	A europium-ion-based luminescent sensing probe for hydrogen peroxide. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4495-8	16.4	260
295	Capacitive Creatinine Sensor Based on a Photografted Molecularly Imprinted Polymer. <i>Electroanalysis</i> , 2002 , 14, 221	3	96
294	Determination of oxygen gradients in engineered tissue using a fluorescent sensor. <i>Biotechnology and Bioengineering</i> , 2002 , 80, 73-83	4.9	190
293	Time-resolved luminescence energy transfer immunobinding study using a ruthenium-ligand complex as a donor label. <i>Analytical Biochemistry</i> , 2002 , 305, 166-72	3.1	17
292	Polarization immunoassays using reactive ruthenium metal-ligand complexes as luminescent labels. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 372, 688-94	4.4	21
291	Dual lifetime referenced optical sensor membrane for the determination of copper(II) ions. <i>Analytica Chimica Acta</i> , 2002 , 462, 1-10	6.6	85
290	Fiber optic multi-channel protein detector for use in preparative continuous annular chromatography. <i>Journal of Chromatography A</i> , 2002 , 967, 183-9	4.5	3

289	Self-assembled monolayers as selective filters for chemical sensors. <i>Nanotechnology</i> , 2002 , 13, 175-178	3.4	26
288	Homogeneous luminescence decay time-based assay using energy transfer from nanospheres. <i>Analytical Chemistry</i> , 2002 , 74, 2151-6	7.8	27
287	Fiber-optic chemical sensors and biosensors. <i>Analytical Chemistry</i> , 2002 , 74, 2663-77	7.8	200
286	Multi-ion imaging using fluorescent sensors in a microtiterplate array format. <i>Analyst, The</i> , 2002 , 127, 201-203	5	35
285	Sol-gel based optical carbon dioxide sensor employing dual luminophore referencing for application in food packaging technology. <i>Analyst, The</i> , 2002 , 127, 1478-83	5	152
284	Detection of DNA hybridization with surface plasmon resonance biosensor: comparison of immobilization of oligonucleotides by ssDNA and dsDNA 2001 , 4414, 23		3
283	Submicron sensors for ion detection based on measurement of luminescence decay time. <i>Sensors and Actuators B: Chemical</i> , 2001 , 74, 47-53	8.5	10
282	A new type of phosphorescent nanospheres for use in advanced time-resolved multiplexed bioassays. <i>Analytical Biochemistry</i> , 2001 , 297, 32-41	3.1	33
281	Chiroptic recognition of potassium ion. <i>Journal of Molecular Recognition</i> , 2001 , 14, 13-7	2.6	
280	Fluorescent Beads Coated with Polyaniline: A Novel Nanomaterial for Optical Sensing of pH. <i>Advanced Materials</i> , 2001 , 13, 819-822	24	77
279	Nitrate-selective optical sensor applying a lipophilic fluorescent potential-sensitive dye. <i>Analytica Chimica Acta</i> , 2001 , 449, 81-93	6.6	31
278	Probing the Polarity of Sol-Gels and Ormosils via the Absorption of Nile Red. <i>Journal of Sol-Gel Science and Technology</i> , 2001 , 20, 303-311	2.3	24
277	Impedometric herbicide chemosensors based on molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , 2001 , 435, 157-162	6.6	118
276	Novel diode laser-compatible fluorophores and their application to single molecule detection, protein labeling and fluorescence resonance energy transfer immunoassay. <i>Photochemistry and Photobiology</i> , 2001 , 74, 237-45	3.6	30
275	Fluorescent imaging of pH with optical sensors using time domain dual lifetime referencing. <i>Analytical Chemistry</i> , 2001 , 73, 4354-63	7.8	164
274	Dual lifetime referencing as applied to a chloride optical sensor. <i>Analytical Chemistry</i> , 2001 , 73, 2097-103	7.8	88
273	Fluoro reactants and dual luminophore referencing: a technique to optically measure amines. <i>Analytical Chemistry</i> , 2001 , 73, 1053-6	7.8	32
272	Inert phosphorescent nanospheres as markers for optical assays. <i>Bioconjugate Chemistry</i> , 2001 , 12, 883-9	6.3	54

271	Red laser-induced fluorescence energy transfer in an immunosystem. <i>Analytical Biochemistry</i> , 2000 , 280, 272-7	3.1	59
270	New longwave absorbing chromogenic calix[4]arene for calcium determination in aqueous environment. <i>Analytica Chimica Acta</i> , 2000 , 421, 199-205	6.6	14
269	Sol-gel based glucose biosensors employing optical oxygen transducers, and a method for compensating for variable oxygen background. <i>Biosensors and Bioelectronics</i> , 2000 , 15, 69-76	11.8	121
268	Hydrophilic sensor membrane based on cation-selective protic chromoionophore. <i>Fresenius Journal of Analytical Chemistry</i> , 2000 , 367, 426-8		1
267	Optical sensor for seawater salinity. <i>Fresenius Journal of Analytical Chemistry</i> , 2000 , 368, 196-202		92
266	Fiber-optic microsensor for high resolution pCO ₂ sensing in marine environment. <i>Fresenius Journal of Analytical Chemistry</i> , 2000 , 366, 481-7		50
265	Polyaniline-coated microtiter plates for use in longwave optical bioassays. <i>Fresenius Journal of Analytical Chemistry</i> , 2000 , 366, 807-10		27
264	Luminescence Lifetime Imaging of Oxygen, pH, and Carbon Dioxide Distribution Using Optical Sensors. <i>Applied Spectroscopy</i> , 2000 , 54, 548-559	3.1	186
263	Fiber-optic chemical sensors and biosensors. <i>Analytical Chemistry</i> , 2000 , 72, 81R-89R	7.8	273
262	Phototautomeric Equilibrium in the Lowest Excited Singlet State of 3-Hydroxyacridone. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 3900-3904	2.8	5
261	Cell-type specific protoporphyrin IX metabolism in human bladder cancer in vitro. <i>Photochemistry and Photobiology</i> , 2000 , 72, 226-33	3.6	90
260	Composite films of Prussian blue and N-substituted polypyrroles: covalent immobilization of enzymes and application to near infrared optical biosensing. <i>Biosensors and Bioelectronics</i> , 1999 , 14, 87-92	11.8	38
259	Anion-Induced Fluorescence Quenching of a New Zwitterionic Biacridine Derivative. <i>Photochemistry and Photobiology</i> , 1999 , 70, 585-589	3.6	7
258	Microsecond lifetime-based optical carbon dioxide sensor using luminescence resonance energy transfer. <i>Analytica Chimica Acta</i> , 1999 , 382, 67-75	6.6	84
257	Optimization of capacitive affinity sensors: drift suppression and signal amplification. <i>Analytica Chimica Acta</i> , 1999 , 392, 77-84	6.6	60
256	Overcoming the pH dependency of optical sensors: a pH-independent chloride sensor based on co-extraction. <i>Analytica Chimica Acta</i> , 1999 , 398, 137-143	6.6	19
255	Long-lifetime based pH micro-optodes without oxygen interference. <i>Fresenius Journal of Analytical Chemistry</i> , 1999 , 364, 48-53		31
254	Application of non-specific fluorescent dyes for monitoring enantio-selective ligand binding to molecularly imprinted polymers. <i>Fresenius Journal of Analytical Chemistry</i> , 1999 , 364, 512-516		38

253	Characterization of a urea optical sensor based on polypyrrole. <i>Mikrochimica Acta</i> , 1999 , 130, 267-272	5.8	24
252	Localised Electrochemical Desorption of Gold Alkanethiolate Monolayers by Means of Scanning Electrochemical Microscopy (SECM). <i>Mikrochimica Acta</i> , 1999 , 131, 1-1	5.8	
251	Fiber Optic Ion-Microsensors Based on Luminescence Lifetime. <i>Mikrochimica Acta</i> , 1999 , 131, 25-28	5.8	15
250	Electrical Control of Alkanethiols Self-Assembly on a Gold Surface as an Approach for Preparation of Microelectrode Arrays. <i>Mikrochimica Acta</i> , 1999 , 131, 29-34	5.8	25
249	Fast Response Oxygen Micro-Optodes Based on Novel Soluble Ormosil Glasses. <i>Mikrochimica Acta</i> , 1999 , 131, 35-46	5.8	124
248	A Polyaniline with Near-Infrared Optical Response to Saccharides. <i>Advanced Materials</i> , 1999 , 11, 865-868	24	92
247	Spreader-bar-Technik in der Molekrchitektur: Bildung von kstlichen Rezeptoren. <i>Angewandte Chemie</i> , 1999 , 111, 1179-1181	3.6	10
246	A spreader-bar approach to molecular architecture: formation of stable artificial chemoreceptors. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1108-10	16.4	93
245	Synthesis, spectral properties, and detection limits of reactive squaraine dyes, a new class of diode laser compatible fluorescent protein labels. <i>Bioconjugate Chemistry</i> , 1999 , 10, 925-31	6.3	106
244	Novel chloride-selective optode based on polymer-stabilised emulsions doped with a lipophilic fluorescent polarity-sensitive dye. <i>Analyt, The</i> , 1999 , 124, 1617-1622	5	30
243	Electropolymerized Molecularly Imprinted Polymers as Receptor Layers in Capacitive Chemical Sensors. <i>Analytical Chemistry</i> , 1999 , 71, 4609-4613	7.8	236
242	Emulsion-based fluorosensors for potassium featuring improved stability and signal change. <i>Analytical Chemistry</i> , 1999 , 71, 5304-8	7.8	30
241	pH-Insensitive Ion Selective Optode: A Coextraction-Based Sensor for Potassium Ions. <i>Analytical Chemistry</i> , 1999 , 71, 1544-1548	7.8	42
240	Anion-Induced Fluorescence Quenching of a New Zwitterionic Biacridine Derivative. <i>Photochemistry and Photobiology</i> , 1999 , 70, 585	3.6	11
239	pH optical sensors based on solels: Chemical doping versus covalent immobilization. <i>Analytica Chimica Acta</i> , 1998 , 367, 159-165	6.6	187
238	Energy transfer-based lifetime sensing of chloride using a luminescent transition metal complex. <i>Analytica Chimica Acta</i> , 1998 , 364, 143-151	6.6	43
237	Optical chemical sensing based on thin films of Prussian Blue. <i>Sensors and Actuators B: Chemical</i> , 1998 , 51, 355-358	8.5	31
236	Arenedicarboximide Building Blocks for Fluorescent Photoinduced Electron Transfer pH Sensors Applicable with Different Media and Communication Wavelengths. <i>Chemistry - A European Journal</i> , 1998 , 4, 1810-1815	4.8	123

235	Fiber-optic fluorescence carbon dioxide sensor for environmental monitoring. <i>Mikrochimica Acta</i> , 1998 , 129, 181-188	5.8	66
234	Optical sensors for dissolved sulfur dioxide. <i>Fresenius Journal of Analytical Chemistry</i> , 1998 , 362, 73-76		12
233	UV/Vis and fluorescence study on anthralin and its alkylated derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998 , 116, 39-45	4.7	6
232	Set of luminescence decay time based chemical sensors for clinical applications. <i>Sensors and Actuators B: Chemical</i> , 1998 , 51, 17-24	8.5	53
231	Sol-gel based optical sensor for dissolved ammonia. <i>Sensors and Actuators B: Chemical</i> , 1998 , 51, 203-207	8.5	51
230	Strategies To Design pH Optodes with Luminescence Decay Times in the Microsecond Time Regime. <i>Analytical Chemistry</i> , 1998 , 70, 3892-3897	7.8	74
229	The effect of polymeric supports and methods of immobilization on the performance of an optical copper(II)-sensitive membrane based on the colourimetric reagent Zincon. <i>Talanta</i> , 1998 , 47, 595-604	6.2	65
228	Polarity studies on ormosils using a solvatochromic fluorescent probe. <i>Analyst</i> , 1998 , 123, 2247-2250		21
227	Luminescence Decay Time-Based Determination of Potassium Ions. <i>Analytical Chemistry</i> , 1998 , 70, 3983-3985	7.8	30
226	Capacitive Approach To Determine Phospholipase A(2) Activity toward Artificial and Natural Substrates. <i>Analytical Chemistry</i> , 1998 , 70, 3674-8	7.8	45
225	Composite Films of Prussian Blue and N-Substituted Polypyrroles: Fabrication and Application to Optical Determination of pH. <i>Analytical Chemistry</i> , 1998 , 70, 2544-50	7.8	103
224	A minimal binding domain of the low density lipoprotein receptor family. <i>Biological Chemistry</i> , 1998 , 379, 1053-62	4.5	16
223	Multilayer Potassium Sensor Based on Solid-State Coextraction.. <i>Analytical Sciences</i> , 1998 , 14, 163-167	1.7	13
222	Characterization of sol gel and ormosils via polarity-sensitive probes 1997 ,		3
221	Optochemical Sensor for Ammonia Based on a Lipophilized pH Indicator in a Hydrophobic Matrix. <i>International Journal of Environmental Analytical Chemistry</i> , 1997 , 67, 237-251	1.8	6
220	Application of potential-sensitive fluorescent dyes in anion and cation-sensitive polymer membranes. <i>Sensors and Actuators B: Chemical</i> , 1997 , 39, 239-245	8.5	23
219	Phenol/phenolate-dependent on/off switching of the luminescence of 4,4-difluoro-4-bora-3a,4a-diaza-s-indacenes. <i>Chemical Communications</i> , 1997 , 1717-1718	5.8	88
218	Investigation of potential-sensitive fluorescent dyes for application in nitrate sensitive polymer membranes. <i>Fresenius Journal of Analytical Chemistry</i> , 1997 , 357, 284-291		16

217	Novel optical pH-sensor based on a boradiaza-indacene derivative. <i>Fresenius Journal of Analytical Chemistry</i> , 1997 , 359, 150-154		71
216	Optical sensors for determination of heavy metal ions. <i>Mikrochimica Acta</i> , 1997 , 126, 177-192	5.8	259
215	Sol-gel-derived optical coatings for determination of chromate. <i>Sensors and Actuators B: Chemical</i> , 1997 , 39, 235-238	8.5	20
214	Fluorescence-based sensor membrane for mercury (II) detection. <i>Sensors and Actuators B: Chemical</i> , 1997 , 39, 246-251	8.5	64
213	Capacitive monitoring of protein immobilization and antigen-antibody reactions on monomolecular alkylthiol films on gold electrodes. <i>Biosensors and Bioelectronics</i> , 1997 , 12, 977-89	11.8	244
212	Protonation of porphyrins in liquid PVC membranes: Effects of anionic additives and application to pH-sensing. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997 , 104, 151-158	4.7	27
211	Novel optical sensor materials based on solubilization of polar dyes in apolar polymers. <i>Advanced Materials</i> , 1997 , 9, 1108-1113	24	34
210	Albumin blue 580 fluorescence assay for albumin. <i>Analytical Biochemistry</i> , 1997 , 248, 180-2	3.1	80
209	New polar plasticizers for luminescence-based sensors. <i>Analytica Chimica Acta</i> , 1997 , 337, 201-205	6.6	27
208	Optical sensing of pH using thin films of substituted polyanilines. <i>Analytica Chimica Acta</i> , 1997 , 357, 247-252	6.2	129
207	Solid State Supramolecular Optical Sensors 1997 , 61-74		0
206	Microalbuminuria and borderline-increased albumin excretion determined with a centrifugal analyzer and the Albumin Blue 580 fluorescence assay. <i>Clinical Chemistry</i> , 1997 , 43, 996-1002	5.5	76
205	Sol-gels and chemical sensors 1996 , 51-98		43
204	Optical nitrite sensor based on a potential-sensitive dye and a nitrite-selective carrier. <i>Analyst, The</i> , 1996 , 121, 1489	5	24
203	Effects of annulation on absorption and fluorescence characteristics of fluorescein derivatives: a computational study. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996 , 853		39
202	Study of the performance of an optochemical sensor for ammonia. <i>Analytica Chimica Acta</i> , 1996 , 320, 235-243	6.6	48
201	Capillary waveguide sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 1996 , 15, 225-232	14.6	18
200	Longwave luminescent porphyrin probes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1996 , 52, 1629-1638	4.4	39

199	Disposable cuvette test with integrated sensor layer for enzymatic determination of heavy metals. <i>Biosensors and Bioelectronics</i> , 1996 , 11, 981-990	11.8	68
198	Fibre-optic glucose biosensor using enzyme membranes with 2-D crystalline structure. <i>Biosensors and Bioelectronics</i> , 1996 , 11, 317-325	11.8	47
197	Ammonia fluorosensors based on reversible lactonization of polymer-entrapped rhodamine dyes, and the effects of plasticizers. <i>Analytica Chimica Acta</i> , 1996 , 334, 113-123	6.6	68
196	Optical sensing of pH based on polypyrrole films. <i>Analytica Chimica Acta</i> , 1996 , 334, 149-153	6.6	80
195	Fluorescent potential-sensitive dyes for use in solid state sensors for potassium ion. <i>Analytica Chimica Acta</i> , 1996 , 334, 125-132	6.6	26
194	Effects of the polymer matrix on an optical nitrate sensor based on a polarity-sensitive dye. <i>Sensors and Actuators B: Chemical</i> , 1996 , 37, 103-109	8.5	11
193	Ammonia detection via integrated optical evanescent wave sensors. <i>Mikrochimica Acta</i> , 1995 , 121, 95-105	5.8	17
192	Optode membrane for continuous measurement of silver ions. <i>Mikrochimica Acta</i> , 1995 , 121, 249-258	5.8	19
191	Application of a novel lipophilized fluorescent dye in an optical nitrate sensor. <i>Journal of Fluorescence</i> , 1995 , 5, 135-8	2.4	17
190	Novel oxygen sensor material based on a ruthenium bipyridyl complex encapsulated in zeolite Y: dramatic differences in the efficiency of luminescence quenching by oxygen on going from surface-adsorbed to zeolite-encapsulated fluorophores. <i>Sensors and Actuators B: Chemical</i> , 1995 , 28, 240-245	8.5	73
189	Sensitivity studies on optical carbon dioxide sensors based on ion pairing. <i>Sensors and Actuators B: Chemical</i> , 1995 , 28, 151-156	8.5	48
188	Detection of fluorescence lifetime based on solid state technology and its application to optical oxygen sensing 1995 ,		11
187	Effects of Polymer Matrixes on the Time-Resolved Luminescence of a Ruthenium Complex Quenched by Oxygen. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 3162-3167		118
186	Oxygen-Sensitive Luminescent Materials Based on Silicone-Soluble Ruthenium Diimine Complexes. <i>Analytical Chemistry</i> , 1995 , 67, 3160-3166	7.8	270
185	Ammonia-sensitive polymer matrix employing immobilized indicator ion pairs. <i>Analyst, The</i> , 1995 , 120, 1627	5	59
184	Optical sensor instrumentation using absorption- and fluorescence-based capillary waveguide optrodes 1995 ,		3
183	Optoden und Fluorophore. <i>Nachrichten Aus Der Chemie</i> , 1995 , 43, 313-316		4
182	New hydrophobic materials for optical carbon dioxide sensors based on ion pairing. <i>Analytica Chimica Acta</i> , 1995 , 302, 249-254	6.6	65

181	Dependence of the fluorescence of immobilized 1-hydroxypyrene-3,6,8-trisulfonate on solution pH: Extension of the range of applicability of a pH fluorosensor. <i>Analytica Chimica Acta</i> , 1995 , 304, 165-170	6.6	80
180	Optical sensing of anions via polarity-sensitive dyes: A bulk sensor membrane for nitrate. <i>Analytica Chimica Acta</i> , 1995 , 316, 239-246	6.6	30
179	Fluorescence-based ion sensing using potential-sensitive dyes. <i>Sensors and Actuators B: Chemical</i> , 1995 , 29, 140-147	8.5	34
178	Enzyme biosensor for urea based on a novel pH bulk optode membrane. <i>Biosensors and Bioelectronics</i> , 1995 , 10, 653-9	11.8	49
177	Optical Microsystems for (Bio)Chemical Analysis 1995 , 95-103		1
176	Optical sensor for ammonia based on the inner filter effect of fluorescence. <i>Journal of Fluorescence</i> , 1994 , 4, 41-4	2.4	12
175	Optical sensors for a wide pH range based on azo dyes immobilized on a novel support. <i>Analytica Chimica Acta</i> , 1994 , 292, 41-48	6.6	106
174	Synthesis of reactive vinylsulphonyl azo dyes for application in optical pH sensing. <i>Dyes and Pigments</i> , 1994 , 24, 223-240	4.6	17
173	LED-compatible copper(II)-selective optrode membrane based on lipophilized Zincon. <i>Fresenius Journal of Analytical Chemistry</i> , 1994 , 350, 563-567		28
172	Optical triple sensor for measuring pH, oxygen and carbon dioxide. <i>Journal of Biotechnology</i> , 1994 , 32, 127-38	3.7	87
171	Novel metal-organic ruthenium(II) diimin complexes for use as longwave excitable luminescent oxygen probes. <i>Talanta</i> , 1994 , 41, 985-91	6.2	33
170	Optical Fiber Sensor for Biological Oxygen Demand. <i>Analytical Chemistry</i> , 1994 , 66, 1841-1846	7.8	228
169	Capillary Optical Sensors. <i>Analytical Chemistry</i> , 1994 , 66, 3323-3327	7.8	76
168	Fluorescence Pathways to Chemical Information. <i>Analytical Chemistry</i> , 1994 , 66, 38A-41A	7.8	3
167	Novel type of ion-selective fluorosensor based on the inner filter effect: an optrode for potassium. <i>Analytical Chemistry</i> , 1993 , 65, 123-127	7.8	74
166	Non-enzymatic optical sensor for penicillins. <i>Talanta</i> , 1993 , 40, 453-7	6.2	8
165	Instrumentation for optical measurement of dissolved oxygen based on solid state technology 1993 ,		3
164	Optical triple sensor for measuring pH, oxygen, and carbon dioxide in bioreactors 1993 ,		4

163	Chemically and mechanically resistant carbon dioxide optrode based on a covalently immobilized pH indicator. <i>Analytica Chimica Acta</i> , 1993 , 282, 335-343	6.6	33
162	Determination of urease activity by flow-injection analysis using an ammonium-selective optrode as the detector. <i>Analytica Chimica Acta</i> , 1993 , 276, 115-119	6.6	15
161	Optical sensors in flow injection analysis. <i>Journal of Molecular Structure</i> , 1993 , 292, 133-140	3.4	8
160	Fiber-optic remote detection of pesticides and related inhibitors of the enzyme acetylcholine esterase. <i>Sensors and Actuators B: Chemical</i> , 1993 , 11, 87-93	8.5	63
159	A new kind of oxygen-sensitive transducer based on an immobilized metallo-organic compound. <i>Sensors and Actuators B: Chemical</i> , 1993 , 11, 347-350	8.5	21
158	Experimental results on an optical pH measurement system for bioreactors. <i>Sensors and Actuators B: Chemical</i> , 1993 , 11, 425-430	8.5	27
157	Optical sensor for the pH 10-13 range using a new support material. <i>Fresenius Journal of Analytical Chemistry</i> , 1993 , 346, 564-568		62
156	Fluorescence optical urea biosensor with an ammonium optrode as transducer. <i>Biosensors and Bioelectronics</i> , 1993 , 8, 161-166	11.8	42
155	Optrodes for Measuring Enzyme Activity and Inhibition 1993 , 335-344		
154	A Thiamine-Selective Optical Sensor Based on Molecular Recognition. <i>Analytical Letters</i> , 1992 , 25, 405-414		10
153	LED-compatible fluorosensor for ammonium ion and its application to biosensing 1992 ,		2
152	New lipophilic rhodamines and their application to optical potassium sensing. <i>Journal of Fluorescence</i> , 1992 , 2, 93-8	2.4	3
151	An optical biosensor for lysine based on the use of lysine decarboxylase and a cadaverine-sensitive membrane. <i>Biosensors and Bioelectronics</i> , 1992 , 7, 725-32	11.8	19
150	Optical sensor for salicylic acid and aspirin based on a new lipophilic carrier for aromatic carboxylic acids. <i>Fresenius Journal of Analytical Chemistry</i> , 1992 , 343, 313-318		9
149	LED-compatible fluorosensor for measurement of near-neutral pH values. <i>Mikrochimica Acta</i> , 1992 , 108, 133-141	5.8	69
148	Laser-induced fluorometric determination of albumin using longwave absorbing molecular probes. <i>Analytical Biochemistry</i> , 1992 , 200, 254-9	3.1	51
147	Enantio-selective optode for the β -blocker propranolol 1991 ,		7
146	Feasibility of optically sensing two parameters simultaneously using one indicator 1991 ,		3

145	Optical sensor for on-line determination of solvent mixtures based on a fluorescent solvent polarity probe. <i>Sensors and Actuators B: Chemical</i> , 1991 , 3, 267-272	8.5	33
144	Fiber optic biosensing based on molecular recognition. <i>Sensors and Actuators B: Chemical</i> , 1991 , 5, 1-6	8.5	17
143	New highly fluorescent ketocyanine polarity probes. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1991 , 47, 187-192		89
142	Enantioselective optodes. <i>Analytica Chimica Acta</i> , 1991 , 246, 251-257	6.6	31
141	Comparison of two fibre-optic l-glutamate biosensors based on the detection of oxygen or carbon dioxide, and their application in combination with flow-injection analysis to the determination of glutamate. <i>Analytica Chimica Acta</i> , 1991 , 248, 351-359	6.6	38
140	Optical sensing based on analyte recognition by enzymes, carriers and molecular interactions. <i>Analytica Chimica Acta</i> , 1991 , 250, 181-201	6.6	41
139	New luminescent metal complex for pH transduction in optical fiber sensing: application to a CO ₂ -sensitive device 1991 ,		3
138	Achievements and new directions in Analytical Chemistry: luminescence and optical sensors. <i>Analytical Proceedings</i> , 1991 , 28, 357		5
137	Extremely efficient quenching of the fluorescence of skatole by pyridine. <i>Analytica Chimica Acta</i> , 1990 , 230, 213-215	6.6	3
136	A sensitive fluorimetric assay for cationic surfactants. <i>Fresenius Journal of Analytical Chemistry</i> , 1990 , 336, 111-113		7
135	Chemical sensors Survey and trends. <i>Fresenius Journal of Analytical Chemistry</i> , 1990 , 337, 522-527		35
134	Symposium 6: Optodes and other new sensors in biochemical analysis. <i>Fresenius Journal of Analytical Chemistry</i> , 1990 , 337, 23-27		4
133	A fiberoptic cholesterol biosensor with an oxygen optrode as the transducer. <i>Analytical Biochemistry</i> , 1990 , 184, 124-7	3.1	54
132	Oxygen optrode for use in a fiber-optic glucose biosensor. <i>Analytical Chemistry</i> , 1990 , 62, 2377-80	7.8	141
131	A Fiber Optic Lactate Biosensor with an Oxygen Optrode as the Transducer. <i>Analytical Letters</i> , 1989 , 22, 2191-2197	2.2	20
130	A New HeNe-Laser Excitable Fluorescent Surfactant Probe. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1989 , 93, 927-931		5
129	A fully reversible fiber optic lactate biosensor based on the intrinsic fluorescence of lactate monooxygenase. <i>Fresenius Zeitschrift Für Analytische Chemie</i> , 1989 , 334, 427-430		31
128	Towards a gastric pH-sensor: an optrode for the pH 0-14 range. <i>Fresenius Zeitschrift Für Analytische Chemie</i> , 1989 , 334, 162-165		47

127	A sodium-selective optrode. <i>Mikrochimica Acta</i> , 1989 , 99, 109-116	5.8	10
126	ET(33), a solvatochromic polarity and micellar probe for neutral aqueous solutions. <i>Chemistry and Physics of Lipids</i> , 1989 , 50, 51-56	3.7	80
125	A calcium-selective optrode based on fluorimetric measurement of membrane potential. <i>Analytica Chimica Acta</i> , 1989 , 217, 1-9	6.6	25
124	Fully reversible fibre-optic glucose biosensor based on the intrinsic fluorescence of glucose oxidase. <i>Analytica Chimica Acta</i> , 1989 , 221, 195-203	6.6	112
123	Fibre-optic glucose sensor with a pH optrode as the transducer. <i>Biosensors</i> , 1989 , 4, 15-26		62
122	Optical sensor for hydrogen peroxide. <i>Mikrochimica Acta</i> , 1989 , 97, 41-50	5.8	33
121	New Optical Chemical Sensors Based On The Langmuir-Blodgett Technique 1989 ,		8
120	Fluorometric continuous kinetic assay of alpha-chymotrypsin using new protease substrates possessing long-wave excitation and emission maxima. <i>Analytical Biochemistry</i> , 1988 , 171, 393-7	3.1	5
119	Fibre-optic fluorosensor for sulphur dioxide. <i>Analytica Chimica Acta</i> , 1988 , 208, 53-58	6.6	33
118	Fibre-optic oxygen sensor with the fluorescence decay time as the information carrier. <i>Analytica Chimica Acta</i> , 1988 , 205, 1-6	6.6	213
117	Optical sensors, 13: fibre-optic humidity sensor based on fluorescence quenching. <i>Sensors and Actuators</i> , 1988 , 15, 77-83		59
116	Unusually efficient quenching of the fluorescence of an energy transfer-based optical sensor for oxygen. <i>Analytica Chimica Acta</i> , 1988 , 212, 261-265	6.6	15
115	Fibre optic sensors in biomedical sciences. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1988 , 330, 336-336		
114	Optical sensors. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1988 , 332, 255-257		36
113	Fiber-optic fluorosensor for oxygen and carbon dioxide. <i>Analytical Chemistry</i> , 1988 , 60, 2028-2030	7.8	213
112	Fiberoptic Oxygen Sensor Based on Fluorescence Quenching and Energy Transfer. <i>Applied Spectroscopy</i> , 1988 , 42, 1009-1011	3.1	78
111	A sensitive kinetic assay of serum albumin based on its enzyme-like hydrolytic activity, using a new chromogenic and fluorogenic substrate. <i>Clinica Chimica Acta</i> , 1988 , 172, 35-45	6.2	6
110	Optical and fibre-optic sensors for vapours of polar solvents. <i>Talanta</i> , 1988 , 35, 89-94	6.2	34

109	Optical sensors. Part 34. Fibre optic glucose biosensor with an oxygen optrode as the transducer. <i>Analyst, The</i> , 1988 , 113, 1519-23	5	91
108	Optical sensors. Part 23. Effect of Langmuir-Blodgett layer composition on the response of ion-selective optrodes for potassium, based on the fluorimetric measurement of membrane potential. <i>Analyst, The</i> , 1988 , 113, 693	5	34
107	An Improved Synthesis of the Solvatochromic Dye ET-30. <i>Synthesis</i> , 1988 , 1988, 635-636	2.9	13
106	Recent Progress In Optical Oxygen Sensing 1988 ,		15
105	Biochemical Applications Of 3-Dimensional Fluorescence Spectrometry 1988 , 0909, 134		3
104	The Development of Fibre-Optic Sensors by Immobilization of Fluorescent Probes 1988 , 219-226		0
103	The effect of fatty acid chain length on the rate of arylester hydrolysis by various albumins. <i>Clinica Chimica Acta</i> , 1987 , 164, 329-37	6.2	21
102	Annual Chemical Congress: new spectroscopic sensors and techniques. <i>Analytical Proceedings</i> , 1987 , 24, 14		8
101	Fibre-optic sensors in biomedical sciences. <i>Pure and Applied Chemistry</i> , 1987 , 59, 663-672	2.1	54
100	Evaluation of critical micelle concentrations of non-ionic detergents using new superpolar lipid probes. <i>Chemistry and Physics of Lipids</i> , 1987 , 44, 19-29	3.7	15
99	The quenching of the fluorescence of polycyclic aromatic hydrocarbons and rhodamine 6G by sulphur dioxide. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1987 , 43, 1417-1421		11
98	The fluorescence properties of luteolines. <i>Monatshefte Für Chemie</i> , 1987 , 118, 1403-1411	1.4	9
97	Optical sensors: An ion-selective optrode for potassium. <i>Analytica Chimica Acta</i> , 1987 , 198, 1-12	6.6	85
96	The total fluorescence of human urine. <i>Analytica Chimica Acta</i> , 1987 , 198, 13-23	6.6	74
95	Fluorescence quenching of acridinium and 6-methoxyquinolinium ions by Pb ²⁺ , Hg ²⁺ , Cu ²⁺ , Ag ⁺ and hydrogen sulphide. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1987 , 43, 405-408		24
94	Fibre-optical titrations. <i>Fresenius Zeitschrift Für Analytische Chemie</i> , 1987 , 326, 547-550		4
93	A new group of fluorescent pH-indicators for an extended pH-range. <i>Fresenius Zeitschrift Für Analytische Chemie</i> , 1987 , 327, 347-350		22
92	Fibre-optic fluorescing sensor for ammonia. <i>Analytica Chimica Acta</i> , 1986 , 185, 321-327	6.6	80

91	Fluorescence optical sensors for continuous determination of near-neutral pH values. <i>Sensors and Actuators</i> , 1986 , 9, 73-84		109
90	A new sensing material for optical oxygen measurement, with the indicator embedded in an aqueous phase. <i>Mikrochimica Acta</i> , 1986 , 90, 359-366	5.8	77
89	The fluorescence of ellagic acid and its borax complex. <i>Monatshefte für Chemie</i> , 1986 , 117, 369-374	1.4	15
88	AN UNUSUAL EXCITED STATE SPECIES OF ortho- HYDROXY-CINNAMIC ACID*. <i>Photochemistry and Photobiology</i> , 1986 , 44, 551-554	3.6	7
87	Analytical chemistry with optical sensors. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1986 , 325, 387-392		54
86	Fluorescence sensor for monitoring ionic strength and physiological pH values. <i>Sensors and Actuators</i> , 1986 , 9, 85-91		57
85	Investigation of human plasma low density lipoprotein by three-dimensional fluorescence spectroscopy. <i>FEBS Letters</i> , 1986 , 198, 229-34	3.8	36
84	Optical fibre titrations. Part 3. Construction and performance of a fluorimetric acid-base titrator with a blue LED as a light source. <i>Analyst, The</i> , 1986 , 111, 1331	5	22
83	Fiber-optic probe for kinetic determination of enzyme activities. <i>Analytical Chemistry</i> , 1986 , 58, 2874-6	7.8	30
82	Fibre-optic titrations-IV Direct complexometric titration of aluminium(III) with DCTA. <i>Talanta</i> , 1986 , 33, 867-70	6.2	7
81	The Unusually Strong Effect of a 4-Cyano Group upon Electronic Spectra and Dissociation Constants of 3-Substituted 7-Hydroxycoumarin. <i>Bulletin of the Chemical Society of Japan</i> , 1985 , 58, 731-734	5.1	43
80	Photometric and fluorimetric assay of alkaline phosphatase with new coumarin-derived substrates. <i>Mikrochimica Acta</i> , 1985 , 85, 389-395	5.8	8
79	Syntheses and spectral properties of longwave absorbing and fluorescing substrates for the direct and continuous kinetic assay of carboxylesterases, phosphatases, and sulfatases. <i>Monatshefte für Chemie</i> , 1985 , 116, 65-75	1.4	17
78	Continuous kinetic assay of arylsulfatases with new chromogenic and fluorogenic substrates. <i>Analytica Chimica Acta</i> , 1985 , 170, 73-80	6.6	9
77	Mapping of the total fluorescence of human blood serum as a new method for its characterization. <i>Analytica Chimica Acta</i> , 1985 , 167, 203-215	6.6	95
76	Fluorescence optical sensors in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 1985 , 4, 184-188	4.6	40
75	Acid-base titrations using fluorescent indicators and fiber optical light guides. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1985 , 320, 271-273		13
74	Synthesis and spectral properties of 7-(N-arylsulfonyl)aminocoumarins, a new class of fluorescent pH indicators. <i>Journal of Heterocyclic Chemistry</i> , 1985 , 22, 1215-1218	1.9	12

73	Syntheses, absorption and fluorescence spectra of 7-hydroxy-3-pyridylcoumarins, their esters, ethers, and quaternized derivatives. <i>Chemische Berichte</i> , 1985 , 118, 3664-3672		13
72	Fiber optical fluorosensor for determination of halothane and or oxygen. <i>Analytical Chemistry</i> , 1985 , 57, 2556-2561	7.8	101
71	Fluorescence Properties of Hydroxy- and Methoxyflavones and the Effect of Shift Reagents. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1984 , 39, 231-237	1	34
70	Long-wavelength fluorescent indicators for the determination of oxygen partial pressures. <i>Analytica Chimica Acta</i> , 1984 , 160, 301-304	6.6	11
69	Preconcentration and semi-quantitative determination of aluminum(III) with immobilized morin. <i>Fresenius Zeitschrift Für Analytische Chemie</i> , 1984 , 319, 282-285		8
68	FLUORESCENCE PROPERTIES OF ETHENOTHIAMINE*. <i>Photochemistry and Photobiology</i> , 1984 , 39, 111-113		13
67	Photometric and fluorometric continuous kinetic assay of acid phosphatases with new substrates possessing longwave absorption and emission maxima. <i>Analytical Biochemistry</i> , 1984 , 143, 146-51	3.1	24
66	The effects of alkali cation complexation on the fluorescence properties of crown ethers. <i>Monatshefte Für Chemie</i> , 1984 , 115, 647-654	1.4	34
65	Über die Bildung eines neuen, stark fluoreszierenden Heterocyclus bei der versuchten Quarternisierung von Chinolin. <i>Monatshefte Für Chemie</i> , 1984 , 115, 1165-1170	1.4	5
64	A fast responding fluorescence sensor for oxygen. <i>Mikrochimica Acta</i> , 1984 , 82, 153-158	5.8	40
63	Charakterisierung von Speiseölen mit Hilfe der Fluoreszenztopographie. <i>Mikrochimica Acta</i> , 1984 , 82, 221-233	5.8	12
62	A new method for the endpoint determination in argentometry using halide-sensitive fluorescent indicators and fiber optical light guides. <i>Mikrochimica Acta</i> , 1984 , 84, 129-138	5.8	12
61	Optical sensor for continuous determination of halides. <i>Analytical Chemistry</i> , 1984 , 56, 427-429	7.8	104
60	Absorption and Fluorescence Spectra, pKa Values, and Fluorescence Lifetimes of Monohydroxyflavones and Monomethoxyflavones. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1984 , 88, 759-767		72
59	The Absorption and Fluorescence of Isoflavones and the Effect of Shift Reagents. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1984 , 39, 238-243	1	7
58	Absorption, fluorescence and fluorimetric detection limits of naturally occurring quinoid antibiotics and dyes. <i>Mikrochimica Acta</i> , 1983 , 81, 385-398	5.8	8
57	Synthesis of new reagents for the fluorescence derivatisation of thiols and alcohols. <i>Monatshefte Für Chemie</i> , 1983 , 114, 599-604	1.4	10
56	Untersuchungen zur Isolierung von Flavonoiden mit Hilfe der Oxide und Salze zweiwertiger Kationen, 5. Mitt. IR-, UV- und fluoreszenzspektroskopische Eigenschaften von Flavonoidkomplexen. <i>Archiv Der Pharmazie</i> , 1983 , 316, 995-1000	4.3	2

55	Phosphorescence spectra and detection limits of nitrated polynuclear aromatic hydrocarbons. <i>Analytica Chimica Acta</i> , 1983 , 147, 405-410	6.6	11
54	Fluorimetric assay of hydrolases at longwave excitation and emission wavelengths with new substrates possessing unique water solubility. <i>Analytical Biochemistry</i> , 1983 , 129, 365-70	3.1	34
53	pH-dependent fluorescence spectroscopy XVII: First excited singlet state dissociation constants, photoautomerism and dual fluorescence of flavonol. <i>Journal of Photochemistry and Photobiology</i> , 1983 , 21, 67-79		63
52	Fluorescence quenching method for determination of two or three components in solution. <i>Analytical Chemistry</i> , 1983 , 55, 1904-1906	7.8	35
51	Eine fluorimetrische, schwermetallfreie Methode zur Analyse von Chlor, Brom und Iod in organischen Materialien. <i>Fresenius Zeitschrift Für Analytische Chemie</i> , 1983 , 314, 577-581		29
50	Fluorimetric analysis. <i>Fresenius Zeitschrift Für Analytische Chemie</i> , 1983 , 314, 119-124		147
49	The pH-Dependence of the Absorption and Fluorescence Spectra of Harmine and Harmol: Drastic Differences in the Tautomeric Equilibria of Ground and First Excited Singlet State*. <i>Zeitschrift Fur Physikalische Chemie</i> , 1982 , 129, 171-183	3.1	25
48	Absorptions- und Fluoreszenzspektren sowie Dissoziationskonstanten der Grund- und ersten angeregten Singulettzustände von 4'-Hydroxyflavon und 4'-Methoxyflavon [1]. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1982 , 86, 237-241		5
47	pH-dependent fluorescence spectroscopy. 15. Detection of an unusual excited-state species of 3-hydroxyxanthone. <i>Journal of the American Chemical Society</i> , 1982 , 104, 4069-4072	16.4	15
46	Syntheses of fluorescent dyes. XIV. Standards for fluorescence measurements in the near neutral pH-range. <i>Journal of Heterocyclic Chemistry</i> , 1982 , 19, 841-843	1.9	45
45	Eine Synthese 1-substituierter 5-Cyanuracile. <i>Liebigs Annalen Der Chemie</i> , 1982 , 1982, 182-185		7
44	Darstellung pyronokondensierter 2-Pyridone, Cumarine und 2-Chinolone mit Hilfe derKappe-Mayer-Variante dervon Pechmann-Reaktion. <i>Monatshefte Für Chemie</i> , 1982 , 113, 365-370	1.4	10
43	Solvent- andpH-dependence of the absorption and fluorescence spectra of harman: Detection of three ground state and four excited state species. <i>Monatshefte Für Chemie</i> , 1982 , 113, 509-517	1.4	35
42	pH-Dependent fluorescence spectroscopy. Part 12. Flavone, 7-hydroxyflavone, and 7-methoxyflavone. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1981 , 1443		42
41	Chemical synthesis with metal atoms. The preparation and structure of cyclo-octadiene trifluorophosphine complexes of chromium. The crystal structure of (β -cyclo-octa-1,3-dienyl)hydridotris(trifluorophosphine) chromium. <i>Journal of the Chemical Society Dalton Transactions</i> , 1981 , 661-667		7
40	ACIDITY DEPENDENCE OF THE ABSORPTION AND FLUORESCENCE SPECTRA OF ISOFLAVONE AND 7-HYDROXYISOFLAVONE. <i>Photochemistry and Photobiology</i> , 1981 , 34, 567-571	3.6	11
39	Synthesen von Fluoreszenzfarbstoffen, 10 2-Substituierte Pyrano[2,3-c]isochinolin-3,6-dione und Merocyaninfarbstoffe aus Homophthalsäureimiden. <i>Liebigs Annalen Der Chemie</i> , 1981 , 1981, 811-818		17
38	Synthesen von Fluoreszenzfarbstoffen, 11 Ber die Umlagerung von Alkoxy-methylen- und Aminomethylenhomophthalsäureanhydriden zu Isocumarinen bzw. Isochinolinonen. <i>Liebigs Annalen Der Chemie</i> , 1981 , 1981, 819-827		7

37	Diacyl-enamine und -enole, 9: Zur Darstellung von Aminomethylenderivaten offenkettiger CH ₂ -acider Verbindungen. <i>Chemische Berichte</i> , 1981 , 114, 3471-3484		25
36	Zur Kinetik der Bildung von Arylaminomethylenverbindungen aus Triethoxymethan, Arylaminen und CH ₂ -aciden Verbindungen in einer Dreikomponentenkondensation. <i>Monatshefte für Chemie</i> , 1981 , 112, 627-641	1.4	8
35	Eine Eintopfsynthese von 3-Amino-1H-pyrazol-4-carbonitril. <i>Monatshefte für Chemie</i> , 1981 , 112, 875-877	1.4	17
34	Eine effiziente Synthese von Aminoalkylidenderivaten für ringcyclischer methylenaktiver Verbindungen. <i>Monatshefte für Chemie</i> , 1981 , 112, 369-383	1.4	23
33	Solvent and Acidity Dependence of the Absorption and Fluorescence Spectra of 3-Hydroxycoumarin *. <i>Zeitschrift Für Physikalische Chemie</i> , 1981 , 125, 15-20	3.1	15
32	Synthesis of 5-Oxo-5,6,7,8-tetrahydrocoumarins. <i>Synthesis</i> , 1981 , 1981, 225-227	2.9	22
31	pH-Dependent Fluorescence Spectroscopy, 8 [1]: Photochemical Reversible Ring Opening of 4-Phenylumbelliferone. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1980 , 84, 1115-1119		17
30	Eine breit anwendbare Synthese fluoreszierender kondensierter Pyrone. <i>Monatshefte für Chemie</i> , 1980 , 111, 93-112	1.4	18
29	Syntheses of fluorescent dyes. IX. New 4-hydroxycoumarins, 4-hydroxy-2-quinolones, 2H,5H-Pyrano[3,2-c]benzopyran-2,5-diones and 2H,5H-Pyrano[3,2-c]quinoline-2,5-diones. <i>Journal of Heterocyclic Chemistry</i> , 1980 , 17, 225-229	1.9	52
28	SOLVENT AND ACIDITY DEPENDENCE OF THE ABSORPTION AND FLUORESCENCE OF COUMESTROL*. <i>Photochemistry and Photobiology</i> , 1980 , 32, 143-148	3.6	15
27	Diacyl-enamine und -enole. <i>Journal of Molecular Structure</i> , 1979 , 54, 77-88	3.4	21
26	Synthesen von Aminomethylen-halogenacetessigsäurederivaten und deren Ringschlussreaktionen zu 3-Hydroxypyrrolen, Pyrido[1,2-a]pyrimidonen bzw. 4-Chinolonen Diacyl-enamine und-enole, 5. Mitt.. <i>Monatshefte für Chemie</i> , 1979 , 110, 1387-1405	1.4	8
25	Luminescent Heterocycles. IX pH Dependent Fluorescence Spectra of Chromone, 2-Methylchromone and 7-Hydroxy-2-Methylchromone [1]. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1979 , 34, 510-515	1.4	6
24	Diacyl-enamines and -enoles, III Formylation of CH ₂ -acidic Compounds via the Anilinomethylene Derivatives. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1979 , 34, 283-289	1	20
23	Synthese und Eigenschaften einiger neuer hydroxylsubstituierter Laserfarbstoffe auf Cumarinbasis Lumineszierende Heterocyclen, 8. Mitt.. <i>Monatshefte für Chemie</i> , 1978 , 109, 1413-1421	1.4	16
22	3-Substituierte Umbelliferone: Eine Gruppe blau emittierender, photostabiler und leicht pumpbarer Laserfarbstoffe. <i>Monatshefte für Chemie</i> , 1978 , 109, 899-903	1.4	9
21	7-Dimethylamino-4-hydroxy-3-methylcumarin, ein neuer, von 429 nm bis 466 nm abstimmbarer Laserfarbstoff. <i>Monatshefte für Chemie</i> , 1978 , 109, 905-909	1.4	1
20	Fluoreszenzspektren, Photodissoziation und Phototautomerie einiger 4-Hydroxycumarine Lumineszierende Heterocyclen, 5. Mitt.. <i>Monatshefte für Chemie</i> , 1978 , 109, 123-136	1.4	19

19	Multiple Fluorescence of 7-Hydroxylepidone. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1978 , 33, 238-239	1.4	6
18	Zur Reaktivität von C=N-Doppelbindungssystemen, XV [1] Die Reaktion von Anilinomethylen-barbitursäuren mit methylenaktiven Nitrilen / The Reactivity of the C=N-Double Bond System, XV [1] The Reaction of Anilinomethylene-barbituric Acids with Methylenactive Nitriles. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1978 , 33, 1016-1019	1	7
17	Synthese von 4-Nitro-3-oxo-2,3-dihydropyrazolen. <i>Synthesis</i> , 1977 , 1977, 136-138	2.9	9
16	pH-Dependent Fluorescence Spectra of 3-Substituted Umbelliferones. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1977 , 32, 1065-1067	1.4	9
15	Zur Reaktivität von C=N-Doppelbindungssystemen, XII1 Ber Kupfer(II)- und Nickel(II)-Komplexe von Aminomethylen-1,3-dicarbonylverbindungen / The Reactivity of the C=N-Double Bond System, XII1 Copper(II) and Nickel(II) Complexes of Aminomethylen-1,3-dicarbonyl Compounds. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1977 , 32, 1077-1083	1	13
14	Methylenaktive Nitroverbindungen, 3. Darstellung von 3-Amino-2-nitroacrylsäure-Derivaten und Nitro-4H-pyrido[1,2-a]pyrimidinen aus Nitroessigsäure-ethylester. <i>Chemische Berichte</i> , 1977 , 110, 2480-2493		22
13	Darstellung und Fluoreszenzspektren von 7-Dialkylamino-4-Hydroxycumarinen. <i>Monatshefte Für Chemie</i> , 1977 , 108, 499-504	1.4	7
12	Synthesen von Alkyl-bzw. Cycloalkylpyridinen und Naphthyridinen. <i>Monatshefte Für Chemie</i> , 1977 , 108, 689-702	1.4	21
11	Zur Reaktivität von C=N-Doppelbindungssystemen, VII. Synthesen von fluoreszierenden pyronokondensierten Heterocyclen / The Reactivity of the C=N-Double Bond Systems, VII. Syntheses of Condensed Pyronoheterocycles. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1976 , 31, 514-519	1	18
10	Zur Reaktivität von C=N-Doppelbindungssystemen, VIII PMR-spektroskopische Untersuchungen zur E/Z-Isomerie von Nitrozimtsäureestern.. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1976 , 31, 594-598	1	4
9	Zur Reaktivität von C=N-Doppelbindungssystemen, X Synthesen von kondensierten Heterocyclen. / The Reactivity of C=N-Double Bond Systems, X Synthesis of Condensed Heterocycles. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1976 , 31, 1519-1525	1	22
8	Zur Beziehung von Struktur und Reaktivität cyclischer CH-acider Verbindungen bei der Kondensation mit Orthoameisensäuretriethylester.. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1976 , 31, 95-98	1	9
7	Chemical synthesis with metal atoms: the reaction of iron with some conjugated dienes. <i>Journal of Organometallic Chemistry</i> , 1976 , 111, C3-C5	2.3	13
6	Chemical syntheses with metal atoms. <i>Journal of Organometallic Chemistry</i> , 1976 , 108, C32-C34	2.3	19
5	Die multiple Fluoreszenz des 2,5-Dioxo-8-hydroxy-2H,5H-pyrano[3,2-c][1]benzopyran-3-carbonsäure-ethylesters Lumineszierende Heterocyclen, 1. Mitt. <i>Monatshefte Für Chemie</i> , 1976 , 107, 783-791	1.4	3
4	Darstellung, E/Z-Isomerie und gehinderte Rotation an N-substituierten Aminomethylen-chromandionen, -pyrandionen und -pyridindionen. <i>Monatshefte Für Chemie</i> , 1975 , 106, 963-971	1.4	29
3	Ber Anilinomethylenverbindungen der Cyclohexandione. <i>Monatshefte Für Chemie</i> , 1974 , 105, 1283-1291	1.4	27
2	Eine hydrierende c-c-bindungsspaltung an octahydroxanthenen mit dem system isopropanol/HCl. <i>Tetrahedron Letters</i> , 1973 , 14, 4905-4906	2	3

- 1 Applications of Optochemical Sensors for Measuring Chemical Quantities 867-930