PDâ€Dr Axel Duerkop

List of Publications by Year
in descending order

67 papers	1,902 citations	293460 24 h-index	299063 42 g-index
69 all docs	69 docs citations	69 times ranked	3125 citing authors

#	Article	IF	Citations
1	Highly sensitive interleukin 6 detection by employing commercially ready liposomes in an LFA format. Analytical and Bioanalytical Chemistry, 2022, 414, 3231-3241.	1.9	10
2	Electrochemical multi-analyte point-of-care perspiration sensors using on-chip three-dimensional graphene electrodes. Analytical and Bioanalytical Chemistry, 2021, 413, 763-777.	1.9	37
3	Isoquinoline-based Eu(<scp>iii</scp>) luminescent probes for citrate sensing in complex matrix. Dalton Transactions, 2021, 50, 4700-4712.	1.6	8
4	Optical pH Sensing in Milk: A Small Puzzle of Indicator Concentrations and the Best Detection Method. Chemosensors, 2021, 9, 177.	1.8	5
5	Next generation luminol derivative as powerful benchmark probe for chemiluminescence assays. Analytica Chimica Acta, 2021, 1188, 339161.	2.6	8
6	Dipsticks with Reflectometric Readout of an NIR Dye for Determination of Biogenic Amines. Chemosensors, 2020, 8, 99.	1.8	4
7	Optical sensors for determination of biogenic amines in food. Analytical and Bioanalytical Chemistry, 2020, 412, 4023-4036.	1.9	60
8	Magnetosomes for bioassays by merging fluorescent liposomes and magnetic nanoparticles: encapsulation and bilayer insertion strategies. Analytical and Bioanalytical Chemistry, 2020, 412, 6295-6305.	1.9	12
9	Cationic liposomes for generic signal amplification strategies in bioassays. Analytical and Bioanalytical Chemistry, 2020, 412, 3383-3393.	1.9	6
10	An efficient post-doping strategy creating electrospun conductive nanofibers with multi-functionalities for biomedical applications. Journal of Materials Chemistry C, 2019, 7, 9316-9325.	2.7	6
11	Sensor and sensor microtiterplate with expanded pH detection range and their use in real samples. Sensors and Actuators B: Chemical, 2019, 298, 126848.	4.0	9
12	Shedding Light on the Diversity of Surfactant Interactions with Luminol Electrochemiluminescence for Bioanalysis. Analytical Chemistry, 2019, 91, 13080-13087.	3.2	8
13	Tethering functionality to lipid interfaces by a fast, simple and controllable post synthesis method. Colloids and Surfaces B: Biointerfaces, 2019, 181, 325-332.	2.5	4
14	Dipsticks and sensor microtiterplate for determination of copper (II) in drinking water using reflectometric RGB readout of digital images, fluorescence or eye-vision. Sensors and Actuators B: Chemical, 2019, 281, 878-884.	4.0	23
15	Nanocontainer in der Analytik. Angewandte Chemie, 2019, 131, 12970-12992.	1.6	8
16	Nanocontainers for Analytical Applications. Angewandte Chemie - International Edition, 2019, 58, 12840-12860.	7.2	45
17	Food Safety Analysis Enabled through Biological and Synthetic Materials: A Critical Review of Current Trends. Analytical Chemistry, 2019, 91, 569-587.	3.2	27
18	Frontispiece: Electrochemiluminescence Bioassays with a Waterâ€Soluble Luminol Derivative Can Outperform Fluorescence Assays. Angewandte Chemie - International Edition, 2018, 57, .	7.2	0

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19	Frontispiz: Elektrochemilumineszenzâ€Bioassays kÃ¶nnen Fluoreszenzassays mithilfe eines wasserlÃ¶slichen Luminolderivats Ã¼bertreffen. Angewandte Chemie, 2018, 130, .	1.6	1
20	Elektrochemilumineszenzâ€Bioassays kÃ¶nnen Fluoreszenzassays mithilfe eines wasserlÃ¶slichen Luminolderivats Ã¼bertreffen. Angewandte Chemie, 2018, 130, 414-418.	1.6	17
21	Electrochemiluminescence Bioassays with a Waterâ€Soluble Luminol Derivative Can Outperform Fluorescence Assays. Angewandte Chemie - International Edition, 2018, 57, 408-411.	7.2	109
22	Functional electrospun nanofibers for multimodal sensitive detection of biogenic amines in food via a simple dipstick assay. Analytical and Bioanalytical Chemistry, 2018, 410, 1111-1121.	1.9	34
23	A luminescent europium complex for wide-range pH sensors and sensor microtiterplates. Analyst, The, 2018, 143, 3176-3183.	1.7	12
24	Synthesis and Regioselectivity in the Alkylation of 1,3,4â€Oxadiazolethiones with Dihaloalkanes and Epichlorohydrin. Journal of Heterocyclic Chemistry, 2017, 54, 95-101.	1.4	3
25	Signal enhancement and low oxidation potentials for miniaturized ECL biosensors via N-butyldiethanolamine. Analyst, The, 2017, 142, 2469-2474.	1.7	16
26	Improving ruthenium-based ECL through nonionic surfactants and tertiary amines. Analyst, The, 2017, 142, 2648-2653.	1.7	14
27	Embedded nanolamps in electrospun nanofibers enabling online monitoring and ratiometric measurements. Journal of Materials Chemistry C, 2017, 5, 9712-9720.	2.7	13
28	Design, selective alkylation and X-ray crystal structure determination of dihydro-indolyl-1,2,4-triazole-3-thione and its 3-benzylsulfanyl analogue as potent anticancer agents. European Journal of Medicinal Chemistry, 2017, 125, 360-371.	2.6	47
29	Regioselectivity of the alkylation of S-substituted 1,2,4-triazoles with dihaloalkanes. Chemistry Central Journal, 2016, 10, 22.	2.6	10
30	Enzyme-Based Test Strips for Visual or Photographic Detection and Quantitation of Gaseous Sulfur Mustard. Analytical Chemistry, 2016, 88, 6044-6049.	3.2	36
31	Renal Fanconi Syndrome Is Caused by a Mistargeting-Based Mitochondriopathy. Cell Reports, 2016, 15, 1423-1429.	2.9	27
32	Validation of a Fluorescence Sensor Microtiterplate for Biogenic Amines in Meat and Cheese. Journal of Fluorescence, 2016, 26, 1905-1916.	1.3	12
33	New Nanomaterials and Luminescent Optical Sensors for Detection of Hydrogen Peroxide. Chemosensors, 2015, 3, 253-273.	1.8	29
34	Intramolecular photoinduced electron transfer of fluorescent probes based on 1,8-naphthalimide and aniline derivatives. , 2015, , .		0
35	Reusable optical sensing microplate for hydrogen peroxide using a fluorescent photoinduced electron transfer probe (HP Green). Sensors and Actuators B: Chemical, 2014, 193, 799-805.	4.0	13
36	New luminescent ruthenium probes for detection of diacetyl. Microchemical Journal, 2013, 108, 156-160.	2.3	7

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37	Luminescence recognition of different organophosphorus pesticides by the luminescent Eu(III)â€“pyridine-2,6-dicarboxylic acid probe. Analytica Chimica Acta, 2013, 759, 81-91.	2.6	31
38	A new synthetic access to 2-N-(glycosyl)thiosemicarbazides from 3-N-(glycosyl)oxadiazolinethiones and the regioselectivity of the glycosylation of their oxadiazolinethione precursors. Beilstein Journal of Organic Chemistry, 2013, 9, 135-146.	1.3	6
39	A novel luminescent terbium-3-carboxycoumarin probe for time-resolved fluorescence sensing of pesticides methomyl, aldicarb and prometryne. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 97, 915-922.	2.0	21
40	Reactivity of a luminescent â€œoffâ€“onâ€•pyrylium dye toward various classes of amines and its use in a fluorescence sensor microtiter plate for environmental samples. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 243, 41-46.	2.0	20
41	Fluorescence and Electrochemical Sensing of Pesticides Methomyl, Aldicarb and Prometryne by the Luminescent Europium-3-Carboxycoumarin Probe. Journal of Fluorescence, 2012, 22, 659-676.	1.3	35
42	Luminescent ruthenium probe for the determination of acetyl phosphate in complex biological matrices. Analyst, The, 2011, 136, 148-154.	1.7	10
43	High-throughput sensing microtiter plate for determination of biogenic amines in seafood using fluorescence or eye-vision. Analyst, The, 2011, 136, 4492.	1.7	26
44	Optical methods for sensing glucose. Chemical Society Reviews, 2011, 40, 4805.	18.7	431
45	A New Fluorescent PET Probe for Hydrogen Peroxide and its Use in Enzymatic Assays for <scp>L</scp>â€Lactate and <scp>D</scp>â€Glucose. ChemBioChem, 2011, 12, 2779-2785.	1.3	24
46	Novel multicolor fluorescently labeled silica nanoparticles for interface fluorescence resonance energy transfer to and from labeled avidin. Analytical and Bioanalytical Chemistry, 2010, 398, 1615-1623.	1.9	19
47	Microtiterplate phosphate assay based on luminescence quenching of a terbium complex amenable to decay time detection. Analytica Chimica Acta, 2010, 675, 42-48.	2.6	8
48	Chromogenic Sensing of Biogenic Amines Using a Chameleon Probe and the Redâ^'Greenâ^'Blue Readout of Digital Camera Images. Analytical Chemistry, 2010, 82, 8402-8405.	3.2	99
49	A fluorescence diagnostic system detecting cancer-specific enzymatic activities: preliminary results. , 2009, , .		0
50	Determination of biogenic amines by capillary electrophoresis using a chameleon type of fluorescent stain. Mikrochimica Acta, 2009, 167, 259-266.	2.5	47
51	A Fluorescent Probe for Diacetyl Detection. Journal of Fluorescence, 2009, 19, 601-606.	1.3	17
52	Detection of nanomolar concentrations of copper(II) with a Tb-quinoline-2-one probe using luminescence quenching or luminescence decay time. Analytica Chimica Acta, 2009, 644, 53-60.	2.6	60
53	Sensitive Terbium Probes for Luminescent Determination of both Alkaline Phosphatase and Codeine Phosphate. Annals of the New York Academy of Sciences, 2008, 1130, 172-178.	1.8	11
54	Intrinsically Referenced Fluorimetric Sensing and Detection Schemes: Methods, Advantages and Applications. Springer Series on Fluorescence, 2008, , 373-414.	0.8	20

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55	SDS-PAGE of Proteins Using a Chameleon-Type of Fluorescent Prestain. Analytical Chemistry, 2008, 80, 6274-6279.	3.2	28
56	Time-Resolved Fluorescence-Based Assay for the Determination of Alkaline Phosphatase Activity and Application to the Screening of Its Inhibitors. Journal of Biomolecular Screening, 2008, 13, 9-16.	2.6	33
57	A Resonance Energy Transfer Immunoassay Based on a Thiol-Reactive Ruthenium Donor Dye and a Longwave-Emitting Acceptor. ChemBioChem, 2007, 8, 122-128.	1.3	31
58	Sensitive luminescent determination of DNA using the terbium(III)â€“difloxacin complex. Analytica Chimica Acta, 2007, 584, 260-267.	2.6	25
59	<title>Novel europium-tetracycline probe for phosphate determination in microtiter plate</title>. , 2006, , .		0
60	Microtiter plate assay for phosphate using a europiumâ€“tetracycline complex as a sensitive luminescent probe. Analytica Chimica Acta, 2006, 555, 292-298.	2.6	45
61	Determination of citrate in tablets and of oxytetracycline in serum using europium (III) luminescence. Microchemical Journal, 2006, 83, 1-6.	2.3	28
62	Glucose Sensing and Glucose Determination Using Fluorescent Probes and Molecular Receptors. , 2006, , 351-375.		4
63	New luminescent terbium complex for the determination of DNA. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 109-116.	2.0	19
64	Strong emission increase of a dicarboxyterpyridene europium (III) complex in the presence of citrate and hydrogen peroxide. Inorganica Chimica Acta, 2005, 358, 2445-2448.	1.2	17
65	Novel type of general protein assay using a chromogenic and fluorogenic amine-reactive probe. Analytical Biochemistry, 2005, 344, 122-129.	1.1	51
66	Determination of picomolar concentrations of proteins using novel amino reactive chameleon labels and capillary electrophoresis laser-induced fluorescence detection. Electrophoresis, 2005, 26, 2208-2213.	1.3	55
67	En konjunkturbetraktelse. Ekonomisk Tidskrift, 1946, 48, 109.	0.0	0