

# Wolfram Baumann

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,487  
citations

394421

19  
h-index

315739

38  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1379  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polar drug residues in sewage and natural waters in the state of Rio de Janeiro, Brazil. <i>Science of the Total Environment</i> , 1999, 225, 135-141.	8.0	522
2	Considerations on the dipole moment of molecules forming the twisted intramolecular charge transfer state. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992, 64, 49-72.	3.9	128
3	Incomplete degradation of linear alkylbenzene sulfonate surfactants in Brazilian surface waters and pursuit of their polar metabolites in drinking waters. <i>Science of the Total Environment</i> , 2002, 284, 123-134.	8.0	79
4	Picosecond laser spectroscopy of 4-(9-anthryl)-N,N-dimethylaniline and related compounds. <i>The Journal of Physical Chemistry</i> , 1987, 91, 4490-4495.	2.9	70
5	Die Beeinflussung der optischen Absorption von Molekülen durch ein elektrisches Feld. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1971, 26, 2020-2038.	1.5	52
6	Gas-phase dipole moments of molecules in their fluorescent state. <i>Chemical Physics Letters</i> , 1985, 116, 180-185.	2.6	41
7	Critical refinement of the theory of integral electro-optical emission measurements. <i>Journal of Molecular Structure</i> , 1985, 129, 125-136.	3.6	40
8	Valorization of papaya ( <i>Carica papaya</i> L.) agroindustrial waste through the recovery of phenolic antioxidants by supercritical fluid extraction. <i>Journal of Food Science and Technology</i> , 2019, 56, 3055-3066.	2.8	36
9	Seasonal and areal variations of polycyclic aromatic hydrocarbon concentrations in street dust determined by supercritical fluid extraction and gas chromatography-mass spectrometry. <i>Analyst</i> , 1995, 120, 243-248.	3.5	34
10	Integral electrooptical emission measurements. A new method for the determination of dipole moments of molecules in fluorescent states. <i>Journal of Molecular Structure</i> , 1982, 84, 181-193.	3.6	32
11	The Role of Polarizabilities in the Fluorescence Behaviour of 4-cyano-N,N-dimethylaniline. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1981, 36, 868-875.	1.5	31
12	Elektrooptische Emissionsmessungen, I. Der Einfluss eines äußeren elektrischen Feldes auf den von Molekülen in Lösungen emittierten Photonenstrom. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1977, 81, 786-795.	0.9	27
13	A study on excited states dipole moments of 9,10-bianthryl. <i>Journal of Luminescence</i> , 1987, 37, 227-233.	3.1	26
14	Elektrooptische Emissionsuntersuchungen, III. Das Dipolmoment von trans-4-(Dimethylamino)-2-nitrostilben im ersten angeregten Singulettzustand. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1977, 81, 799-804.	0.9	25
15	Dipole Moments, Polarizabilities and the Fluorescence Behaviour of 4-(9-anthryl)-N,N-dimethylaniline. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1979, 34, 1070-1082.	1.5	25
16	Supercritical fluid extraction of pesticides. <i>Fresenius Zeitschrift Für Analytische Chemie</i> , 1989, 332, 884-889.	0.8	25
17	Direct potentiometric immunoelectrodes. <i>Fresenius' Journal of Analytical Chemistry</i> , 1993, 346, 745-751.	1.5	25
18	Electronic Structures of 9,10-Anthrylene Dimers and Trimers in Solution: Formation of Charge Separation States Depending on Alkyl Substituent Groups. <i>Journal of Physical Chemistry A</i> , 1998, 102, 2934-2943.	2.5	19

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19	Study of polychlorinated biphenyls in street dust by supercritical fluid extraction-gas chromatography/mass spectrometry. Fresenius' Journal of Analytical Chemistry, 1996, 354, 56-60.	1.5	17
20	Solubility of some pesticides in supercritical CO <sub>2</sub> . Fresenius Zeitschrift Für Analytische Chemie, 1988, 332, 122-124.	0.8	14
21	An immunoassay for terbutryn using direct hapten linkage to a glutaraldehyde network on the polystyrene surface of standard microtiter plates. Fresenius' Journal of Analytical Chemistry, 2001, 371, 897-902.	1.5	14
22	Valorization of agroindustrial wastes: Identification by LC-MS and NMR of benzylglucosinolate from papaya ( <i>Carica papaya</i> L.) seeds, a protective agent against lipid oxidation in edible oils. Electrophoresis, 2016, 37, 1930-1937.	2.4	14
23	Elektrooptische Emissionsmessungen, II. Eine Apparatur zur spektralen Untersuchung feldinduzierter Änderungen der Fluoreszenzintensität von Molekülen in Lösungen. Zeitschrift Für Elektrotechnik Und Elektrochemie, 1977, 81, 795-798.	0.9	11
24	Direct potentiometric immunoelectrodes. Fresenius' Journal of Analytical Chemistry, 1994, 349, 447-450.	1.5	11
25	Direct potentiometric immunoelectrodes. Fresenius' Journal of Analytical Chemistry, 1992, 343, 541-549.	1.5	10
26	Dipole Moments and the Direction of the Transition Dipole Moment of Some Intramolecular Exciplexes. Zeitschrift Für Elektrotechnik Und Elektrochemie, 1988, 92, 700-706.	0.9	8
27	Direct potentiometric immunoelectrodes. Fresenius' Journal of Analytical Chemistry, 1993, 345, 504-511.	1.5	8
28	A small rugged nitrogen laser for instrumentation. Review of Scientific Instruments, 1993, 64, 63-70.	1.3	7
29	Contributions to the analysis of organic xenobiotics in fish. Fresenius' Journal of Analytical Chemistry, 1995, 351, 790-797.	1.5	7
30	Spectroscopic Investigations on 9-(4-Dimethylaminophenyl)-10-cyanoanthracene. Bulletin of the Chemical Society of Japan, 1987, 60, 4245-4250.	3.2	6
31	Electro optical emission measurements on a non-conjugated bichromophoric donor-acceptor molecule. Molecular Physics, 1992, 75, 953-960.	1.7	6
32	Electrooptical emission measurements. Journal of Molecular Structure, 1978, 47, 237-242.	3.6	5
33	A study on exciplex dipole moments. Journal of Luminescence, 1981, 24-25, 555-558.	3.1	5
34	The Solubility of Organic Compounds in Supercritical CO <sub>2</sub> . Zeitschrift Für Naturforschung - Section A Journal of Physical Sciences, 2005, 60, 641-648.	1.5	4
35	Chromatography with dense gases. Fresenius' Journal of Analytical Chemistry, 1992, 342, 684-687.	1.5	3
36	Electric Field Dependence of the Fluorescence Intensity of Solute Molecules and Fourth Order Effects. Zeitschrift Für Naturforschung - Section A Journal of Physical Sciences, 1985, 40, 874-876.	1.5	3

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37	Contributions to the analysis of organic xenobiotics in fish. Fresenius' Journal of Analytical Chemistry, 1996, 354, 237-240.	1.5	1
38	Spark Gap Pressure and Lasing Behaviour of a non -Blumlein type Nitrogen Laser. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1995, 50, 1045-1049.	1.5	0
39	Influence of rotational diffusion on the electric field induced effect on the fluorescence spectrum of diluted solutions I. Theory and numerical simulations. Chemical Physics, 1997, 214, 383-407.	1.9	0
40	Irregular Pressure Induced Shift of the First UV-Absorption Band of 4-Nitroanisole in CO <sub>2</sub> and CHF <sub>3</sub> . Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2009, 64, 855-864.	1.5	0