

Jan van Stam

List of Publications by Year in descending order

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66
papers

1,935
citations

257450

24
h-index

243625

44
g-index

67
all docs

67
docs citations

67
times ranked

1967
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation of alkyltrimethylammonium surfactants in aqueous poly(styrenesulfonate) solutions. <i>Langmuir</i> , 1992, 8, 2405-2412.	3.5	192
2	Aggregation of poly(ethylene oxide)-poly(propylene oxide)-poly(ethylene oxide) triblock copolymers in the presence of sodium dodecyl sulfate in aqueous solution. <i>The Journal of Physical Chemistry</i> , 1991, 95, 5677-5684.	2.9	185
3	Static and dynamic properties of nonionic amphiphile micelles: Triton X-100 in aqueous solution. <i>The Journal of Physical Chemistry</i> , 1989, 93, 2512-2519.	2.9	114
4	Dynamics of Poly((dimethylamino)alkyl methacrylate-block-sodium methacrylate) Micelles. Influence of Hydrophobicity and Molecular Architecture on the Exchange Rate of Copolymer Molecules. <i>Macromolecules</i> , 1998, 31, 681-689.	4.8	106
5	Time-resolved fluorescence and self-diffusion studies in systems of a cationic surfactant and an anionic polyelectrolyte. <i>The Journal of Physical Chemistry</i> , 1991, 95, 8975-8982.	2.9	89
6	Tuning of the Exchange Dynamics of Unimers between Block Copolymer Micelles with Temperature, Cosolvents, and Cosurfactants. <i>Macromolecules</i> , 2000, 33, 6388-6395.	4.8	82
7	Micellar Aggregation Numbers - A Fluorescence Study. <i>Journal of Chemical Education</i> , 1998, 75, 93.	2.3	78
8	Exchange of Polymer Molecules between Block Copolymer Micelles Studied by Emission Spectroscopy. A Method for the Quantification of Unimer Exchange Rates. <i>Macromolecules</i> , 1997, 30, 4078-4083.	4.8	75
9	Fluorescence decay kinetics in monodisperse confinements with exchange of probes and quenchers. <i>The Journal of Physical Chemistry</i> , 1986, 90, 4431-4437.	2.9	74
10	Supramolecular Control of Two-Dimensional Phase Behavior. <i>Chemistry - A European Journal</i> , 2003, 9, 1198-1206.	3.3	68
11	Fluorescence quenching dynamics in rodlike micelles. <i>The Journal of Physical Chemistry</i> , 1988, 92, 4479-4483.	2.9	53
12	2-Naphthol Complexation by β -Cyclodextrin: Influence of Added Short Linear Alcohols. <i>The Journal of Physical Chemistry</i> , 1996, 100, 19959-19966.	2.9	53
13	Structure and transport in the microemulsion phase of the system Triton X-100-toluene-water. <i>Langmuir</i> , 1986, 2, 432-438.	3.5	52
14	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2000, 38, 381-396.	1.6	41
15	Ibuprofen loading into mesostructured silica using liquid carbon dioxide as a solvent. <i>Green Chemistry</i> , 2009, 11, 662.	9.0	41
16	Tuning the Vertical Phase Separation in Polyfluorene:Fullerene Blend Films by Polymer Functionalization. <i>Chemistry of Materials</i> , 2011, 23, 2295-2302.	6.7	41
17	Synchrotron XRR study of soft nanofilms at the mica-water interface. <i>Soft Matter</i> , 2012, 8, 5055.	2.7	36
18	Change in the micellar aggregation number or in the size distribution? A dynamic fluorescence quenching study of aqueous cetyltrimethylammonium chloride. <i>Langmuir</i> , 1993, 9, 2289-2296.	3.5	33

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19	Bimolecular Processes of β -Terthiophene in a β -Cyclodextrin Environment: An Exploratory Study. <i>The Journal of Physical Chemistry</i> , 1996, 100, 2129-2135.	2.9	31
20	Unravelling donor-acceptor film morphology formation for environmentally-friendly OPV ink formulations. <i>Green Chemistry</i> , 2019, 21, 5090-5103.	9.0	31
21	Solvent strategies for loading and release in mesoporous silica. <i>Colloids and Interface Science Communications</i> , 2014, 3, 5-8.	4.1	28
22	Observation of β -terthiophene excited dimer fluorescence in aqueous solutions of β -cyclodextrin. <i>Chemical Physics Letters</i> , 1997, 277, 44-50.	2.6	26
23	Higher-Order Cyclodextrin Complexes: The Naphthalene System. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2004, 48, 173-180.	1.6	26
24	Engineering Two-Phase and Three-Phase Microstructures from Water-Based Dispersions of Nanoparticles for Eco-Friendly Polymer Solar Cell Applications. <i>Chemistry of Materials</i> , 2018, 30, 6521-6531.	6.7	25
25	Are Aqueous Sodium Dodecyl Sulfate Micelles in the Presence of Added Salt Polydisperse? A Time-Resolved Fluorescence Quenching Study with Global Analysis. <i>Langmuir</i> , 1997, 13, 1957-1963.	3.5	23
26	Transmission and Confocal Fluorescence Microscopy and Time-Resolved Fluorescence Spectroscopy Combined with a Laser Trap: Investigation of Optically Trapped Block Copolymer Micelles. <i>Journal of Physical Chemistry B</i> , 1998, 102, 8440-8451.	2.6	23
27	On the use of dynamic fluorescence measurements to determine equilibrium and kinetic constants. The inclusion of pyrene in β -cyclodextrin cavities. <i>Chemical Physics Letters</i> , 1996, 249, 46-52.	2.6	22
28	The role of polymer flexibility on the interaction with surfactant micelles: poly(vinyl alcohol) and sodium dodecyl sulphate aqueous micelle interactions studied by dynamic fluorescence quenching. <i>Canadian Journal of Chemistry</i> , 1995, 73, 1765-1772.	1.1	21
29	Alternative Fuel for a Standard Diesel Engine. <i>International Journal of Engine Research</i> , 2006, 7, 51-63.	2.3	21
30	Polysoaps in Aqueous Solutions: Intermolecular versus Intramolecular Hydrophobic Aggregation Studied by Fluorescence Spectroscopy. <i>Langmuir</i> , 2001, 17, 2579-2584.	3.5	20
31	The protolysis of singlet excited beta-naphthol: A two-day laboratory experiment to introduce photophysics. <i>Journal of Chemical Education</i> , 1986, 63, 181.	2.3	18
32	Electron-Transfer Reactions in SDS Micelles: Reactivity of Pyrene and Tris(2,2'-bipyridyl)ruthenium(II) Excited States Investigated by Time-Resolved Luminescence Quenching. <i>Langmuir</i> , 1999, 15, 6201-6207.	3.5	17
33	Non-spherical micelles in the sodium dodecylsulfate-brine system. A fluorescence quenching and nuclear magnetic resonance study. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 1759-1764.	1.7	16
34	Intermicellar Mobility of Probe and Quencher in Reverse Micelles Studied by Fluorescence Quenching. <i>The Journal of Physical Chemistry</i> , 1995, 99, 14407-14413.	2.9	15
35	Vapor-Liquid Equilibrium of Binary Mixtures. 1. Ethanol + 1-Butanol, Ethanol + Octane, 1-Butanol + Octane. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 1996-2001.	1.9	15
36	Transparency and wettability of PVP/PDMS/PN synthesized in different organic solvents. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1828-1839.	2.6	15

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37	Using Solubility Parameters to Model More Environmentally Friendly Solvent Blends for Organic Solar Cell Active Layers. <i>Materials</i> , 2019, 12, 3889.	2.9	14
38	A lattice model approach to the morphology formation from ternary mixtures during the evaporation of one component. <i>European Physical Journal: Special Topics</i> , 2019, 228, 55-68.	2.6	13
39	Effects on ink setting in flexographic printing: Coating polarity and dot gain. <i>Nordic Pulp and Paper Research Journal</i> , 2006, 21, 569-574.	0.7	11
40	±-Terthiophene in Micellar Solutions: Influence of Micellar Size and Charge on the Terthiophene Photophysics and Photochemical Reactivity. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5160-5166.	2.6	9
41	Emission of a Bichromophoric Molecule in the Presence of an Added Quencher. Study of the Time-Resolved Fluorescence by Global Compartmental Analysis with and without the Use of a Model Compound. <i>The Journal of Physical Chemistry</i> , 1995, 99, 9386-9396.	2.9	8
42	Vapor-Liquid Equilibrium of Binary Mixtures. 2. Ethanol + 2,2,4-Trimethylpentane, 1-Butanol + 2,2,4-Trimethylpentane, and Ethanol + o-Xylene. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 2002-2008.	1.9	8
43	Global Compartmental Analysis of the Fluorescence Decay Surface of the Halato Telechelic Polymer (N,N-Dimethyl-N-[3-(1-pyrenyl)propyl]ammonio)trifluoromethanesulfonate-End-Capped Poly(tetrahydrofuran). <i>Macromolecules</i> , 1995, 28, 3380-3386.	4.8	6
44	The emission at 669 nm of metal free phthalocyanine in toluene and 1-bromonaphthalene solutions. <i>Chemical Physics Letters</i> , 1996, 253, 397-402.	2.6	6
45	Fluorescence and UV/VIS absorption spectroscopy studies on polymer blend films for photovoltaics. , 2015, , .		5
46	Comparing morphology in dip-coated and spin-coated polyfluorene:fullerene films. <i>Proceedings of SPIE</i> , 2016, , .	0.8	5
47	On the interpretation of excited-state decay data for the determination of the equilibrium constants in compartmentalized systems. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 2433.	2.0	4
48	±-Terthiophene in non-ionic Triton X-100 micelles: biphotonic creation of its radical cation. <i>Chemical Physics Letters</i> , 1998, 286, 452-456.	2.6	4
49	Latex diffusion at high volume fractions studied by fluorescence microscopy. <i>Journal of Colloid and Interface Science</i> , 2006, 298, 162-171.	9.4	4
50	Fluorescence spectroscopy studies on polymer blend solutions and films for photovoltaics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 483, 292-296.	4.7	4
51	Fullerene Aggregation in Thin Films of Polymer Blends for Solar Cell Applications. <i>Materials</i> , 2018, 11, 2068.	2.9	4
52	Interactions between charged latex colloids and starch polyelectrolytes studied by fluorescence microscopy with image analysis. <i>Nordic Pulp and Paper Research Journal</i> , 2005, 20, 192-199.	0.7	4
53	Interaction between Sodium Dodecyl Sulfate and Poly(ethylene oxide) in Aqueous Systems. <i>ACS Symposium Series</i> , 1993, , 194-215.	0.5	3
54	Intramolecular Excited-State Processes of a Halato-Telechelic Polymer, Evaluated by Global Compartmental Analysis of the Fluorescence Decay Surface with the Use of Model Compounds. <i>Macromolecules</i> , 1997, 30, 5582-5590.	4.8	3

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55	Dynamic fluorescence microscopy as a feasible technique for estimating the diffusion coefficients of small particles in the presence of additives. <i>Journal of Colloid and Interface Science</i> , 2003, 267, 500-508.	9.4	3
56	Excited-state probing of associative and covalent macromolecules. <i>Pure and Applied Chemistry</i> , 1995, 67, 157-165.	1.9	2
57	Identification and Characterization of Aggregates Formed by a Partly Neutralized Isophthalic Acid Derivative in Aqueous Solution. <i>Langmuir</i> , 1999, 15, 3374-3380.	3.5	2
58	Supramolecular Control of Two-Dimensional Phase Behavior. <i>Chemistry - A European Journal</i> , 2003, 9, 1663-1663.	3.3	2
59	Tuning of the $\hat{\pm}$ -Terthiophene Radical Cation Coupling Reaction Using Mixed Micelles with Varying Charge Density. <i>ChemPhysChem</i> , 2005, 6, 2428-2433.	2.1	2
60	A ground-state complex between methyl viologen and the fluorescent whitening agent 4,4'-bis(2-sulfostyryl)-biphenyl disodium salt: a fluorescence spectroscopy study. <i>Canadian Journal of Chemistry</i> , 0, , 1-7.	1.1	1
61	An experimental setup for dip-coating of thin films for organic solar cells under microgravity conditions. <i>Review of Scientific Instruments</i> , 2021, 92, 015108.	1.3	1
62	Morphology in dip-coated blend films for photovoltaics studied by UV/VIS absorption and fluorescence spectroscopy. , 2018, , .		1
63	Using Solubility Parameters to Model More Environmentally Friendly Solvent Blends for Organic Solar Cell Active Layers Department of Engineering and Chemical Sciences, Karlstad University, Karlstad, Sweden. , 0, , .		0
64	10.1063/5.0018223.1., 2021, , .		0
65	Luminescence spectroscopy and microdomains. , 1994, , 415-430.		0
66	Donor-acceptor polymer complex formation in solution behind highly efficient all-polymer solar cells ?. , 0, , .		0