

# Tom Vosch

## List of Publications by Year in Descending Order

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

151  
papers

7,291  
citations

45  
h-index

83  
g-index

161  
ext. papers

7,798  
ext. citations

6.9  
avg, IF

5.69  
L-index

#	Paper	IF	Citations
151	Frequency Encoding of Upconversion Nanoparticle Emission for Multiplexed Imaging of Spectrally and Spatially Overlapping Lanthanide Ions. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 19399-19405	16.4	1
150	The effect of deuterium on the photophysical properties of DNA-stabilized silver nanoclusters.. <i>Chemical Science</i> , <b>2021</b> , 12, 16100-16105	9.4	1
149	Thulium- and Erbium-Doped Nanoparticles with Poly(acrylic acid) Coating for Upconversion Cross-Correlation Spectroscopy-based Sandwich Immunoassays in Plasma. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 432-440	5.6	7
148	Insights from Studies on the Early Stages of Platinum Nanoparticle Formation. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 3224-3231	6.4	7
147	Probing the Fluorescence Behavior of DNA-Stabilized Silver Nanoclusters in the Presence of Biomolecules. <i>ChemPhotoChem</i> , <b>2021</b> , 5, 369-375	3.3	2
146	Structure and luminescence of DNA-templated silver clusters. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 1230-1260	5.1	12
145	Rational Design of Bright Long Fluorescence Lifetime Dyad Fluorophores for Single Molecule Imaging and Detection. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1377-1385	16.4	9
144	Observation of microsecond luminescence while studying two DNA-stabilized silver nanoclusters emitting in the 800-900 nm range. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 13483-13489	3.6	2
143	Single-Molecule Detection of DNA-Stabilized Silver Nanoclusters Emitting at the NIR I/II Border. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 1150-1154	6.4	8
142	Mutation of position 5 as a crystal engineering tool for a NIR-emitting DNA-stabilized Ag16 nanocluster. <i>CrystEngComm</i> , <b>2020</b> , 22, 8136-8141	3.3	5
141	Unusually large fluorescence quantum yield for a near-infrared emitting DNA-stabilized silver nanocluster. <i>Chemical Communications</i> , <b>2020</b> , 56, 6384-6387	5.8	9
140	Solvent-Dependent Growth and Stabilization Mechanisms of Surfactant-Free Colloidal Pt Nanoparticles. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 9012-9023	4.8	15
139	UV-induced syntheses of surfactant-free precious metal nanoparticles in alkaline methanol and ethanol. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 2288-2292	5.1	10
138	Intrinsic anti-Stokes emission in living HeLa cells. <i>PLoS ONE</i> , <b>2020</b> , 15, e0230441	3.7	
137	Structure analysis of supported disordered molybdenum oxides using pair distribution function analysis and automated cluster modelling. <i>Journal of Applied Crystallography</i> , <b>2020</b> , 53, 148-158	3.8	7
136	Removal of the A adenosine in a DNA-stabilized Ag nanocluster.. <i>RSC Advances</i> , <b>2020</b> , 10, 23854-23860	3.7	4
135	Intrinsic anti-Stokes emission in living HeLa cells <b>2020</b> , 15, e0230441		

134	Intrinsic anti-Stokes emission in living HeLa cells <b>2020</b> , 15, e0230441		
133	Intrinsic anti-Stokes emission in living HeLa cells <b>2020</b> , 15, e0230441		
132	Intrinsic anti-Stokes emission in living HeLa cells <b>2020</b> , 15, e0230441		
131	Intrinsic anti-Stokes emission in living HeLa cells <b>2020</b> , 15, e0230441		
130	Intrinsic anti-Stokes emission in living HeLa cells <b>2020</b> , 15, e0230441		
129	Intrinsic anti-Stokes emission in living HeLa cells <b>2020</b> , 15, e0230441		
128	Intrinsic anti-Stokes emission in living HeLa cells <b>2020</b> , 15, e0230441		
127	Lanthanide-Doped Nanoparticles for Stimulated Emission Depletion Nanoscopy. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 5817-5823	5.6	8
126	Spectral shifts of BODIPY derivatives: a simple continuous model. <i>Photochemical and Photobiological Sciences</i> , <b>2019</b> , 18, 1315-1323	4.2	4
125	Disentangling optically activated delayed fluorescence and upconversion fluorescence in DNA stabilized silver nanoclusters. <i>Chemical Science</i> , <b>2019</b> , 10, 5326-5331	9.4	9
124	Switchable Dual-Emissive DNA-Stabilized Silver Nanoclusters. <i>ACS Omega</i> , <b>2019</b> , 4, 7895-7902	3.9	16
123	Crystal structure of a NIR-Emitting DNA-Stabilized Ag16 Nanocluster. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 17313-17317	3.6	7
122	Crystal structure of a NIR-Emitting DNA-Stabilized Ag Nanocluster. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17153-17157	16.4	49
121	Stokes shift microscopy by excitation and emission imaging. <i>Optics Express</i> , <b>2019</b> , 27, 8208-8220	3.3	2
120	The effect of pH and ionic strength on the fluorescence properties of a red emissive DNA-stabilized silver nanocluster. <i>Methods and Applications in Fluorescence</i> , <b>2019</b> , 8, 014005	3.1	6
119	Facile Synthesis of Mildly Oxidized Graphite Inks for Screen-Printing of Highly Conductive Electrodes. <i>Advanced Engineering Materials</i> , <b>2019</b> , 21, 1801304	3.5	9
118	Single-molecule excitation-emission spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 4064-4069	11.5	8
117	Innenrücktitelbild: Crystal structure of a NIR-Emitting DNA-Stabilized Ag16 Nanocluster (Angew. Chem. 48/2019). <i>Angewandte Chemie</i> , <b>2019</b> , 131, 17643-17643	3.6	0

116	Design, synthesis, and time-gated cell imaging of carbon-bridged triangulenium dyes with long fluorescence lifetime and red emission. <i>Chemical Science</i> , <b>2018</b> , 9, 3122-3130	9.4	29
115	Anti-Stokes fluorescence microscopy using direct and indirect dark state formation. <i>Chemical Communications</i> , <b>2018</b> , 54, 4569-4572	5.8	17
114	An optical authentication system based on imaging of excitation-selected lanthanide luminescence. <i>Science Advances</i> , <b>2018</b> , 4, e1701384	14.3	79
113	Unusually large Stokes shift for a near-infrared emitting DNA-stabilized silver nanocluster. <i>Methods and Applications in Fluorescence</i> , <b>2018</b> , 6, 024004	3.1	21
112	Luminescence from Lanthanide(III) Ions Bound to the Glycocalyx of Chinese Hamster Ovary Cells. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11885-11889	4.8	7
111	Upconversion Cross-Correlation Spectroscopy of a Sandwich Immunoassay. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9229-9233	4.8	11
110	Photon Energy Dependent Micro-Raman Spectroscopy with a Continuum Laser Source. <i>Scientific Reports</i> , <b>2018</b> , 8, 11621	4.9	6
109	Probing heterogeneity of NIR induced secondary fluorescence from DNA-stabilized silver nanoclusters at the single molecule level. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 16316-16319	3.6	10
108	High-Quality Reduced Graphene Oxide Electrodes for Sub-Kelvin Studies of Molecular Monolayer Junctions. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 25102-25109	3.8	7
107	NIR induced modulation of the red emission from erbium ions for selective lanthanide imaging. <i>Methods and Applications in Fluorescence</i> , <b>2018</b> , 6, 044001	3.1	4
106	Spatially Localized Synthesis and Structural Characterization of Platinum Nanocrystals Obtained Using UV Light. <i>ACS Omega</i> , <b>2018</b> , 3, 10351-10356	3.9	8
105	Probing the Absorption and Emission Transition Dipole Moment of DNA Stabilized Silver Nanoclusters. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 963-968	2.8	7
104	UV-Induced Synthesis and Stabilization of Surfactant-Free Colloidal Pt Nanoparticles with Controlled Particle Size in Ethylene Glycol. <i>ChemNanoMat</i> , <b>2017</b> , 3, 89-93	3.5	22
103	Highly Conductive Semitransparent Graphene Circuits Screen-Printed from Water-Based Graphene Oxide Ink. <i>Advanced Materials Technologies</i> , <b>2017</b> , 2, 1700011	6.8	43
102	Ultrafast coherence transfer in DNA-templated silver nanoclusters. <i>Nature Communications</i> , <b>2017</b> , 8, 15577	17.4	36
101	Investigating dye performance and crosstalk in fluorescence enabled bioimaging using a model system. <i>PLoS ONE</i> , <b>2017</b> , 12, e0188359	3.7	7
100	Excited-State Relaxation and Förster Resonance Energy Transfer in an Organic Fluorophore/Silver Nanocluster Dyad. <i>ACS Omega</i> , <b>2017</b> , 2, 4657-4664	3.9	27
99	Micro-Raman spectroscopy for the detection of stacking fault density in InAs and GaAs nanowires. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	4

98	Temperature dependent excited state relaxation of a red emitting DNA-templated silver nanocluster. <i>Chemical Communications</i> , <b>2017</b> , 53, 12556-12559	5.8	31
97	Creating infinite contrast in fluorescence microscopy by using lanthanide centered emission. <i>PLoS ONE</i> , <b>2017</b> , 12, e0189529	3.7	5
96	Photophysical Properties of Fluorescent Core Dendrimers Controlled by Size. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 9576-80	3.4	9
95	Modification of $\pi$ -Donor Properties of Terminal Carbide Ligands Investigated Through Carbide-Iodine Adduct Formation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 12484-7	16.4	9
94	Modification of $\pi$ -Donor Properties of Terminal Carbide Ligands Investigated Through Carbide-Iodine Adduct Formation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12672-12675	3.6	
93	Peptide-Stabilized, Fluorescent Silver Nanoclusters: Solid-Phase Synthesis and Screening. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 18492-18500	4.8	5
92	The colloidal tool-box approach for fuel cell catalysts: utilizing graphitized carbon supports. <i>Electrochimica Acta</i> , <b>2016</b> , 197, 221-227	6.7	2
91	Synthesis, Ensemble, and Single Molecule Characterization of a Diphenyl-Acetylene Linked Terrylenediimide Dimer. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 2333-42	3.4	2
90	Tuning the response of non-allowed Raman modes in GaAs nanowires. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 095103	3	6
89	On the structural composition and stability of Fe $\text{Ni}$ catalysts prepared by an intermediate acid leaching. <i>Journal of Solid State Electrochemistry</i> , <b>2016</b> , 20, 969-981	2.6	33
88	Probing DNA-stabilized fluorescent silver nanocluster spectral heterogeneity by time-correlated single photon counting. <i>Analyst, The</i> , <b>2016</b> , 141, 123-30	5	31
87	Synthesis Mechanism and Influence of Light on Unprotected Platinum Nanoparticles Synthesis at Room Temperature. <i>ChemNanoMat</i> , <b>2016</b> , 2, 104-107	3.5	12
86	Morphology and composition of oxidized InAs nanowires studied by combined Raman spectroscopy and transmission electron microscopy. <i>Nanotechnology</i> , <b>2016</b> , 27, 305704	3.4	16
85	Emissive Photoconversion Products of an Amino-triangulenium Dye. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 3554-61	2.8	5
84	A Comparison of Single-Molecule Emission in Aluminum and Gold Zero-Mode Waveguides. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 6719-27	2.8	14
83	Reduced graphene oxide for Li $\text{air}$ batteries: The effect of oxidation time and reduction conditions for graphene oxide. <i>Carbon</i> , <b>2015</b> , 85, 233-244	10.4	66
82	Time-resolved confocal microscopy using lanthanide centred near-IR emission. <i>RSC Advances</i> , <b>2015</b> , 5, 70282-70286	3.7	31
81	Lipid-conjugated fluorescent pH sensors for monitoring pH changes in reconstituted membrane systems. <i>Analyst, The</i> , <b>2015</b> , 140, 6313-20	5	22

80	Modulation of fluorescence signals from biomolecules along nanowires due to interaction of light with oriented nanostructures. <i>Nano Letters</i> , <b>2015</b> , 15, 176-81	11.5	16
79	Raman spectroscopy and electrical properties of InAs nanowires with local oxidation enabled by substrate micro-trenches and laser irradiation. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 243101	3.4	5
78	Gold nanoparticles assembled with dithiocarbamate-anchored molecular wires. <i>Scientific Reports</i> , <b>2015</b> , 5, 15273	4.9	11
77	Spatial distribution and temporal evolution of DRONPA-fused SNAP25 clusters in adrenal chromaffin cells. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 1005-12	4.2	4
76	Single-Molecule Characterization of Near-Infrared-Emitting Silver Nanoclusters. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 1109-1115	8.1	13
75	Thermally activated LTA(Li)Ag zeolites with water-responsive photoluminescence properties. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 11857-11867	7.1	51
74	Spectrally resolved confocal microscopy using lanthanide centred near-IR emission. <i>Chemical Communications</i> , <b>2015</b> , 51, 2372-5	5.8	33
73	A surface-bound molecule that undergoes optically biased Brownian rotation. <i>Nature Nanotechnology</i> , <b>2014</b> , 9, 131-6	28.7	48
72	Core-shell TiO <sub>2</sub> @C: towards alternative supports as replacement for high surface area carbon for PEMFC catalysts. <i>Electrochimica Acta</i> , <b>2014</b> , 139, 21-28	6.7	36
71	Fabrication of silver nanoparticles with limited size distribution on TiO <sub>2</sub> containing zeolites. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 18690-3	3.6	13
70	Photophysical investigation of cyano-substituted terylenediimide derivatives. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 14662-74	3.4	7
69	Investigating the corrosion of high surface area carbons during start/stop fuel cell conditions: A Raman study. <i>Electrochimica Acta</i> , <b>2013</b> , 114, 455-461	6.7	55
68	Ultrathin reduced graphene oxide films as transparent top-contacts for light switchable solid-state molecular junctions. <i>Advanced Materials</i> , <b>2013</b> , 25, 4164-70	24	68
67	Green emitting photoproducts from terylene diimide after red illumination. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 19180-5	16.4	29
66	End-to-end assembly of gold nanorods via oligopeptide linking and surfactant control. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 376, 83-90	9.3	19
65	Solution-processed ultrathin chemically derived graphene films as soft top contacts for solid-state molecular electronic junctions. <i>Advanced Materials</i> , <b>2012</b> , 24, 1333-9	24	75
64	Design aspects of bright red emissive silver nanoclusters/DNA probes for microRNA detection. <i>ACS Nano</i> , <b>2012</b> , 6, 8803-14	16.7	163
63	Luminescence of oxyfluoride glasses co-doped with Ag nanoclusters and Yb <sup>3+</sup> ions. <i>RSC Advances</i> , <b>2012</b> , 2, 1496-1501	3.7	47

62	The beneficial effect of CO <sub>2</sub> in the low temperature synthesis of high quality carbon nanofibers and thin multiwalled carbon nanotubes from CH <sub>4</sub> over Ni catalysts. <i>Carbon</i> , <b>2012</b> , 50, 372-384	10.4	27
61	Rapid detection of microRNA by a silver nanocluster DNA probe. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 6935-9	7.8	236
60	Single Layer vs Bilayer Graphene: A Comparative Study of the Effects of Oxygen Plasma Treatment on Their Electronic and Optical Properties. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 16619-16624	3.8	56
59	A statistical approach to inelastic electron tunneling spectroscopy on fullerene-terminated molecules. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 14325-32	3.6	29
58	Energy transfer pathways in a rylene-based Triad. <i>ChemPhysChem</i> , <b>2011</b> , 12, 595-608	3.2	34
57	Chiral non-periodic surface-confined molecular nanopatterns revealed by scanning tunnelling microscopy. <i>CrystEngComm</i> , <b>2011</b> , 13, 5578	3.3	4
56	Graphitic nanocrystals inside the pores of mesoporous silica: Synthesis, characterization and an adsorption study. <i>Microporous and Mesoporous Materials</i> , <b>2011</b> , 144, 120-133	5.3	18
55	Transition from Metallic to Semiconducting Behavior in Oxygen Plasma-treated Single-layer Graphene. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1336, 20701		
54	Unraveling excited-state dynamics in a polyfluorene-perylenediimide copolymer. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 1277-86	3.4	16
53	Modified, semiconducting graphene in contact with a metal: Characterization of the Schottky diode. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 163101	3.4	25
52	Transfection of living HeLa cells with fluorescent poly-cytosine encapsulated Ag nanoclusters. <i>Photochemical and Photobiological Sciences</i> , <b>2010</b> , 9, 716-21	4.2	84
51	Bandgap opening in oxygen plasma-treated graphene. <i>Nanotechnology</i> , <b>2010</b> , 21, 435203	3.4	253
50	Tuning the Fermi Level of SiO <sub>2</sub> -Supported Single-Layer Graphene by Thermal Annealing. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 6894-6900	3.8	62
49	Molecular sieve properties of mesoporous silica with intraporous nanocarbon. <i>Chemical Communications</i> , <b>2010</b> , 46, 928-30	5.8	27
48	In situ observation of the emission characteristics of zeolite-hosted silver species during heat treatment. <i>ChemPhysChem</i> , <b>2010</b> , 11, 1627-31	3.2	47
47	Selective bifunctional catalytic conversion of cellulose over reshaped Ni particles at the tip of carbon nanofibers. <i>ChemSusChem</i> , <b>2010</b> , 3, 698-701	8.3	151
46	Optical encoding of silver zeolite microcarriers. <i>Advanced Materials</i> , <b>2010</b> , 22, 957-60	24	100
45	Rylenfarbstoffe als maßgeschneiderte Nanoemitter für die Photonik. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 9252-9278	3.6	124

44	The rylene colorant family--tailored nanoemitters for photonics research and applications. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 9068-93	16.4	509
43	A Critical Assessment of the Synthesis of Diameter and Chirality Controlled CNTs in Zeolites. <i>ECS Transactions</i> , <b>2009</b> , 19, 161-174	1	2
42	Optically modulated fluorophores for selective fluorescence signal recovery. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 4619-21	16.4	121
41	Synthesis, Ensemble, and Single Molecule Characterization of a Diphenyl-Acetylene Linked Peryleneimide Trimer. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 11773-11782	3.8	27
40	Synthesis and photophysical characterization of chalcogen substituted BODIPY dyes. <i>New Journal of Chemistry</i> , <b>2009</b> , 33, 1490	3.6	62
39	Characterization of fluorescence in heat-treated silver-exchanged zeolites. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 3049-56	16.4	146
38	Electron transfer-induced blinking in Ag nanodot fluorescence. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 20264-20270	3.8	131
37	Electrochemical reactions at a porphyrin-copper interface. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 5422-30	3.6	25
36	Oligonucleotide-stabilized Ag nanocluster fluorophores. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 5038-9	16.4	750
35	Photoactivation of silver-exchanged zeolite A. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 2813-6	16.4	88
34	Photoactivation of Silver-Exchanged Zeolite A. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 2855-2858	3.6	14
33	Strongly emissive individual DNA-encapsulated Ag nanoclusters as single-molecule fluorophores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 12616-21	11.5	401
32	Asymmetric electrode-molecule transport dynamics tracked by nanoscale electroluminescence. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	7
31	Charge injection into discrete states of individual electroluminescent Au nanoclusters. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	7
30	Energy dissipation in multichromophoric single dendrimers. <i>Accounts of Chemical Research</i> , <b>2005</b> , 38, 514-22	24.3	257
29	Probing intramolecular Förster resonance energy transfer in a naphthaleneimide-peryleneimide-terryleneimide-based dendrimer by ensemble and single-molecule fluorescence spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 9760-8	16.4	149
28	Synthesis of and excited state processes in multichromophoric dendritic systems. <i>Journal of Luminescence</i> , <b>2005</b> , 111, 239-253	3.8	19
27	Switching of the fluorescence emission of single molecules between the locally excited and charge transfer states. <i>Chemical Physics Letters</i> , <b>2005</b> , 401, 503-508	2.5	33



26	Electron transfer at the single-molecule level in a triphenylamine-perylene imide molecule. <i>ChemPhysChem</i> , <b>2005</b> , 6, 942-8	3.2	45
25	Higher-excited-state photophysical pathways in multichromophoric systems revealed by single-molecule fluorescence spectroscopy. <i>ChemPhysChem</i> , <b>2004</b> , 5, 1786-90	3.2	68
24	Fluorescence lifetimes and emission patterns probe the 3D orientation of the emitting chromophore in a multichromophoric system. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 14310-1	16.4	58
23	Multichromophoric Dendrimers as Single-Photon Sources: A Single-Molecule Study. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 16686-16696	3.4	69
22	Single-molecule spectroscopy to probe competitive fluorescence resonance energy transfer pathways in bichromophoric synthetic systems <b>2004</b> ,		2
21	Chapter 1 Photophysical processes in multichromophoric systems at the ensemble and single molecule level. <i>Handai Nanophotonics</i> , <b>2004</b> , 3-21		
20	Revealing competitive Forster-type resonance energy-transfer pathways in single bichromophoric molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 13146-51	11.5	152
19	Excited state processes in individual multichromophoric systems <b>2003</b> , 4962, 1		
18	Probing Förster Type Energy Pathways in a First Generation Rigid Dendrimer Bearing Two Perylene Imide Chromophores. <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 6920-6931	2.8	113
17	Single molecule detection of macromolecules. <i>Macromolecular Symposia</i> , <b>2002</b> , 178, 1-10	0.8	2
16	Self-Assembled Polyphenylene Dendrimer Nanofibers on Highly Oriented Pyrolytic Graphite Studied by Atomic Force Microscopy. <i>Langmuir</i> , <b>2002</b> , 18, 8223-8230	4	23
15	Probing Carboxylic Acid Groups in Replaced and Mixed Self-Assembled Monolayers by Individual Ionized Dendrimer Molecules: An Atomic Force Microscopy Study. <i>Langmuir</i> , <b>2002</b> , 18, 1801-1810	4	19
14	Antibunching in the emission of a single tetrachromophoric dendritic system. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 14310-1	16.4	114
13	Triplet states as non-radiative traps in multichromophoric entities: single molecule spectroscopy of an artificial and natural antenna system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2001</b> , 57, 2093-107	4.4	65
12	Polarisation Sensitive Single Molecule Fluorescence Detection with Linear Polarised Excitation Light and Modulated Polarisation Direction Applied to Multichromophoric Entities. <i>Single Molecules</i> , <b>2001</b> , 2, 35-44		17
11	Influence of Structural and Rotational Isomerism on the Triplet Blinking of Individual Dendrimer Molecules. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 4779-4784	3.6	14
10	Polyphenylene dendrimers with perylene diimide as a luminescent core. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 4844-53	4.8	91
9	Influence of Structural and Rotational Isomerism on the Triplet Blinking of Individual Dendrimer Molecules J.H. thanks the FWO for a post-doctoral fellowship. T.V. wishes to thank the I.W.T. for a doctoral fellowship. Financial support by the FWO, the DWTC (through IUAP-4-11), and the Flemish Ministry of Education (through GOA/1/2001) is gratefully acknowledged. The EC (through TMR Sisitomas), ESF (through Smarton), and the Volkswagen-Stiftung are also thanked for financial support. Dr. L. Latterini is than. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 4643-4648	16.4	64

8	Conformational rearrangements in and twisting of a single molecule. <i>Chemical Physics Letters</i> , <b>2001</b> , 333, 255-263	2.5	129
7	Intramolecular energy hopping and energy trapping in polyphenylene dendrimers with multiple peryleneimide donor chromophores and a teryleneimide acceptor trap chromophore. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 7668-76	16.4	134
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5	Discrimination of Dendrimer Aggregates on Mica Based on Adhesion Force: A Pulsed Force Mode Atomic Force Microscopy Study. <i>Langmuir</i> , <b>2000</b> , 16, 9294-9298	4	28
4	Properties of Single Dendrimer Molecules Studied by Atomic Force Microscopy <i>Langmuir</i> , <b>2000</b> , 16, 9009-9014	4	67
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2	Fluoreszenzuntersuchungen einzelner Dendrimermoleküle mit mehreren Chromophoren. <i>Angewandte Chemie</i> , <b>1999</b> , 111, 3970-3974	3.6	32
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