Martinus H V Werts

List of Publications by Year
in descending order

50 papers	5,143 citations	147801 31 h-index	182427 51 g-index
54 all docs	54 docs citations	54 times ranked	5870 citing authors

#	Article	IF	Citations
1	The emission spectrum and the radiative lifetime of Eu3+ in luminescent lanthanide complexes. Physical Chemistry Chemical Physics, 2002, 4, 1542-1548.	2.8	1,195
2	Distance-Dependent Fluorescence Quenching on Gold Nanoparticles Ensheathed with Layer-by-Layer Assembled Polyelectrolytes. Nano Letters, 2006, 6, 530-536.	9.1	407
3	Effects of (Multi)branching of Dipolar Chromophores on Photophysical Properties and Two-Photon Absorption. Journal of Physical Chemistry A, 2005, 109, 3024-3037.	2.5	341
4	A Systematic Study of the Photophysical Processes in Polydentate Triphenylene-Functionalized Eu3+, Tb3+, Nd3+, Yb3+, and Er3+Complexes. Journal of Physical Chemistry A, 2000, 104, 5457-5468.	2.5	331
5	Making sense of Lanthanide Luminescence. Science Progress, 2005, 88, 101-131.	1.9	203
6	Fluorescein and eosin as sensitizing chromophores in near-infrared luminescent ytterbium(III), neodymium(III) and erbium(III) chelates. Chemical Physics Letters, 1997, 276, 196-201.	2.6	198
7	A Near-Infrared Luminescent Label Based on YbIII Ions and Its Application in a Fluoroimmunoassay. Angewandte Chemie - International Edition, 2000, 39, 4542-4544.	13.8	186
8	Water-Soluble Dendrimeric Two-Photon Tracers for In Vivo Imaging. Angewandte Chemie - International Edition, 2006, 45, 4645-4648.	13.8	154
9	Towards â€œsmartâ€•multiphoton fluorophores: strongly solvatochromic probes for two-photon sensing of micropolarity. Chemical Communications, 2005, , 2802.	4.1	153
10	Synergistic Complexation of Eu3+ by a Polydentate Ligand and a Bidentate Antenna to Obtain Ternary Complexes with High Luminescence Quantum Yields. Journal of Physical Chemistry A, 2002, 106, 3681-3689.	2.5	143
11	Resonant light scattering spectroscopy of gold, silver and goldâ€“silver alloy nanoparticles and optical detection in microfluidic channels. Analyst, The, 2013, 138, 583-592.	3.5	143
12	Efficient visible light sensitisation of water-soluble near-infrared luminescent lanthanide complexes. Perkin Transactions II RSC, 2000, , 433-439.	1.1	134
13	Action cross sections of two-photon excited luminescence of some Eu(iii) and Tb(iii) complexes. Photochemical and Photobiological Sciences, 2005, 4, 531.	2.9	132
14	Two-Photon Transitions in Quadrupolar and Branched Chromophores:â€‰ Experiment and Theory. Journal of Physical Chemistry B, 2007, 111, 9468-9483.	2.6	127
15	Bathochromicity of Michlerâ€™s ketone upon coordination with lanthanide(III) Î²-diketonates enables efficient sensitisation of Eu3+ for luminescence under visible light excitationâ€. Chemical Communications, 1999, , 799-800.	4.1	121
16	Nanometer Scale Patterning of Langmuirâ€“Blodgett Films of Gold Nanoparticles by Electron Beam Lithography. Nano Letters, 2002, 2, 43-47.	9.1	104
17	A modular approach to two-photon absorbing organic nanodots: brilliant dendrimers as an alternative to semiconductor quantum dots?. Chemical Communications, 2006, , 915.	4.1	103
18	Strong Modulation of Two-Photon Excited Fluorescence of Quadripolar Dyes by (De)Protonation. Journal of the American Chemical Society, 2004, 126, 16294-16295.	13.7	98

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19	Luminescent materials and devices: lanthanide azatriphenylene complexes and electroluminescent charge transfer systems. Coordination Chemistry Reviews, 2000, 208, 3-16.	18.8	81
20	The effectiveness of essential-state models in the description of optical properties of branched pushâ€“pull chromophores. Physical Chemistry Chemical Physics, 2010, 12, 11715.	2.8	81
21	Quenching of Molecular Fluorescence on the Surface of Monolayer-Protected Gold Nanoparticles Investigated Using Place Exchange Equilibria. Langmuir, 2007, 23, 5563-5570.	3.5	56
22	Synthesis and Characterization of Fluorescently Doped Mesoporous Nanoparticles for Two-Photon Excitation. Chemistry of Materials, 2008, 20, 2174-2183.	6.7	50
23	Quantitative full-colour transmitted light microscopy and dyes for concentration mapping and measurement of diffusion coefficients in microfluidic architectures. Lab on A Chip, 2012, 12, 808.	6.0	50
24	Folic Acid-Targeted Mesoporous Silica Nanoparticles for Two-Photon Fluorescence. Journal of Biomedical Nanotechnology, 2010, 6, 176-180.	1.1	44
25	The Sedimentation of Colloidal Nanoparticles in Solution and Its Study Using Quantitative Digital Photography. Particle and Particle Systems Characterization, 2017, 34, 1700095.	2.3	44
26	Single molecule spectroscopy. Perylene in the Shpol'skii matrix n-nonane. Chemical Physics Letters, 1996, 250, 576-582.	2.6	40
27	Probing the interactions between disulfide-based ligands and gold nanoparticles using a functionalised fluorescent perylene-monoimide dye. Photochemical and Photobiological Sciences, 2010, 9, 1042-1054.	2.9	39
28	Near-IR Luminescent Rare Earth Ionâ€“Sensitizer Complexes. Journal of Fluorescence, 1998, 8, 301-308.	2.5	36
29	Surface functionalization of two-photon dye-doped mesoporous silica nanoparticles with folic acid: cytotoxicity studies with HeLa and MCF-7 cancer cells. Journal of Sol-Gel Science and Technology, 2008, 48, 32-39.	2.4	34
30	Nanosurface Energy Transfer from Long-Lifetime Terbium Donors to Gold Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 17566-17574.	3.1	33
31	Optical extinction and scattering cross sections of plasmonic nanoparticle dimers in aqueous suspension. Nanoscale, 2016, 8, 6555-6570.	5.6	32
32	Organization and Orientation of Amphiphilic Pushâ^'Pull Chromophores Deposited in Langmuirâ^'Blodgett Monolayers Studied by Second Harmonic Generation and Atomic Force Microscopy. Langmuir, 2004, 20, 8165-8171.	3.5	31
33	Excimer probe of the binding of alkyl disulfides to gold nanoparticles and subsequent monolayer dynamicsElectronic supplementary information (ESI) available: Absorption spectra of nanoparticle solutions in toluene. See http://www.rsc.org/suppdata/pp/b3/b310952f/. Photochemical and Photobiological Sciences, 2004, 3, 29.	2.9	30
34	Fluorescence correlation spectroscopy reveals strong fluorescence quenching of FITC adducts on PEGylated gold nanoparticles in water and the presence of fluorescent aggregates of desorbed thiolate ligands. Physical Chemistry Chemical Physics, 2010, 12, 11004.	2.8	30
35	Hydrophilic monolayer-protected gold nanoparticles and their functionalisation with fluorescent chromophores. International Journal of Nanotechnology, 2008, 5, 722.	0.2	25
36	A NADPH substitute for selective photo-initiation of reductive bioprocesses via two-photon induced electron transfer. Chemical Communications, 2007, , 1334.	4.1	16

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37	The intrinsic luminescence of individual plasmonic nanostructures in aqueous suspension by photon time-of-flight spectroscopy. Nanoscale, 2015, 7, 9013-9024.	5.6	11
38	Optical microscopy and spectroscopy of analyte-sensitive functionalized gold nanoparticles in microfluidic systems. Proceedings of SPIE, 2013, , .	0.8	7
39	Brownian Motion and Large Electric Polarizabilities Facilitate Dielectrophoretic Capture of Subâ€200 nm Gold Nanoparticles in Water. ChemPhysChem, 2019, 20, 3354-3365.	2.1	7
40	Comment on â€œAmplified spontaneous emission of a Nd3+-doped poly(methylmethacrylate) optical fiber at ambient temperatureâ€•[Appl. Phys. Lett. 72, 407 (1998)]. Applied Physics Letters, 1999, 74, 3576-3577.	3.3	6
41	Spectroscopic and Hydrodynamic Characterisation of DNAâ€Linked Gold Nanoparticle Dimers in Solution using Twoâ€Photon Photoluminescence. ChemPhysChem, 2018, 19, 827-836.	2.1	6
42	Versatility of Aqueous Micellar Solutions for Self-Assembled Monolayers Engineering. Langmuir, 2004, 20, 11577-11582.	3.5	5
43	Photoluminescence spectra and quantum yields of gold nanosphere monomers and dimers in aqueous suspension. Physical Chemistry Chemical Physics, 2016, 18, 33264-33273.	2.8	5
44	Foam films in the presence of functionalized gold nanoparticles. Journal of Colloid and Interface Science, 2012, 383, 124-129.	9.4	4
45	A Near-Infrared Luminescent Label Based on Yb(III) Ions and Its Application in a Fluoroimmunoassay This work was supported by Akzo Nobel Central Research (Arnhem, The Netherlands). Dr. Fokke Venema and Dr. Harrie Kreuwel of Organon Teknika B.V. (Boxtel, The Netherlands) are gratefully acknowledged for discussions and suggestions regarding the diagnostic test, and for supplying the immunochemicals., Angewandte Chemie - International Edition, 2000, 39, 4542-4544.	13.8	4
46	Near-Infrared Luminescent Labels and Probes Based on Lanthanide Ions and Their Potential for Applications in Bioanalytical Detection and Imaging. Springer Series on Fluorescence, 2010, , 133-159.	0.8	3
47	Manipulation and Optical Detection of Colloidal Functional Plasmonic Nanostructures in Microfluidic Systems. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 102-114.	2.9	3
48	Branching of dipolar chromophores: effects on linear and nonlinear optical properties. , 2005, , .		2
49	Dielectrophoretically Modulated Optical Spectroscopy of Colloidal Nanoparticle Solutions in Microfluidic Channels. Particle and Particle Systems Characterization, 2020, 37, 2000187.	2.3	2
50	A Near-Infrared Luminescent Label Based on YbIII Ions and Its Application in a Fluoroimmunoassay. Angewandte Chemie - International Edition, 2000, 39, 4542-4544.	13.8	2