

# Martinus H V Werts

## List of Publications by Year in descending order

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50  
papers

5,143  
citations

147566

31  
h-index

189595

50  
g-index

54  
all docs

54  
docs citations

54  
times ranked

5870  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectrophoretically Modulated Optical Spectroscopy of Colloidal Nanoparticle Solutions in Microfluidic Channels. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 2000187.	1.2	2
2	Brownian Motion and Large Electric Polarizabilities Facilitate Dielectrophoretic Capture of Sub-200 nm Gold Nanoparticles in Water. <i>ChemPhysChem</i> , 2019, 20, 3354-3365.	1.0	7
3	Spectroscopic and Hydrodynamic Characterisation of DNA-Linked Gold Nanoparticle Dimers in Solution using Two-Photon Photoluminescence. <i>ChemPhysChem</i> , 2018, 19, 827-836.	1.0	6
4	Nanosurface Energy Transfer from Long-Lifetime Terbium Donors to Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17566-17574.	1.5	33
5	The Sedimentation of Colloidal Nanoparticles in Solution and Its Study Using Quantitative Digital Photography. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1700095.	1.2	44
6	Photoluminescence spectra and quantum yields of gold nanosphere monomers and dimers in aqueous suspension. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 33264-33273.	1.3	5
7	Optical extinction and scattering cross sections of plasmonic nanoparticle dimers in aqueous suspension. <i>Nanoscale</i> , 2016, 8, 6555-6570.	2.8	32
8	The intrinsic luminescence of individual plasmonic nanostructures in aqueous suspension by photon time-of-flight spectroscopy. <i>Nanoscale</i> , 2015, 7, 9013-9024.	2.8	11
9	Manipulation and Optical Detection of Colloidal Functional Plasmonic Nanostructures in Microfluidic Systems. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 102-114.	1.9	3
10	Optical microscopy and spectroscopy of analyte-sensitive functionalized gold nanoparticles in microfluidic systems. <i>Proceedings of SPIE</i> , 2013, , .	0.8	7
11	Resonant light scattering spectroscopy of gold, silver and gold-silver alloy nanoparticles and optical detection in microfluidic channels. <i>Analyst</i> , The, 2013, 138, 583-592.	1.7	143
12	Quantitative full-colour transmitted light microscopy and dyes for concentration mapping and measurement of diffusion coefficients in microfluidic architectures. <i>Lab on A Chip</i> , 2012, 12, 808.	3.1	50
13	Foam films in the presence of functionalized gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2012, 383, 124-129.	5.0	4
14	Folic Acid-Targeted Mesoporous Silica Nanoparticles for Two-Photon Fluorescence. <i>Journal of Biomedical Nanotechnology</i> , 2010, 6, 176-180.	0.5	44
15	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. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11004.	1.3	30
16	The effectiveness of essential-state models in the description of optical properties of branched push-pull chromophores. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11715.	1.3	81
17	Near-Infrared Luminescent Labels and Probes Based on Lanthanide Ions and Their Potential for Applications in Bioanalytical Detection and Imaging. <i>Springer Series on Fluorescence</i> , 2010, , 133-159.	0.8	3
18	Probing the interactions between disulfide-based ligands and gold nanoparticles using a functionalised fluorescent perylene-monoimide dye. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1042-1054.	1.6	39

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19	Surface functionalization of two-photon dye-doped mesoporous silica nanoparticles with folic acid: cytotoxicity studies with HeLa and MCF-7 cancer cells. <i>Journal of Sol-Gel Science and Technology</i> , 2008, 48, 32-39.	1.1	34
20	Synthesis and Characterization of Fluorescently Doped Mesoporous Nanoparticles for Two-Photon Excitation. <i>Chemistry of Materials</i> , 2008, 20, 2174-2183.	3.2	50
21	Hydrophilic monolayer-protected gold nanoparticles and their functionalisation with fluorescent chromophores. <i>International Journal of Nanotechnology</i> , 2008, 5, 722.	0.1	25
22	A NADPH substitute for selective photo-initiation of reductive bioprocesses via two-photon induced electron transfer. <i>Chemical Communications</i> , 2007, , 1334.	2.2	16
23	Quenching of Molecular Fluorescence on the Surface of Monolayer-Protected Gold Nanoparticles Investigated Using Place Exchange Equilibria. <i>Langmuir</i> , 2007, 23, 5563-5570.	1.6	56
24	Two-Photon Transitions in Quadrupolar and Branched Chromophores: Experiment and Theory. <i>Journal of Physical Chemistry B</i> , 2007, 111, 9468-9483.	1.2	127
25	A modular approach to two-photon absorbing organic nanodots: brilliant dendrimers as an alternative to semiconductor quantum dots?. <i>Chemical Communications</i> , 2006, , 915.	2.2	103
26	Distance-Dependent Fluorescence Quenching on Gold Nanoparticles Ensheathed with Layer-by-Layer Assembled Polyelectrolytes. <i>Nano Letters</i> , 2006, 6, 530-536.	4.5	407
27	Water-Soluble Dendrimeric Two-Photon Tracers for In Vivo Imaging. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4645-4648.	7.2	154
28	Branching of dipolar chromophores: effects on linear and nonlinear optical properties. , 2005, , .		2
29	Making sense of Lanthanide Luminescence. <i>Science Progress</i> , 2005, 88, 101-131.	1.0	203
30	Effects of (Multi)branching of Dipolar Chromophores on Photophysical Properties and Two-Photon Absorption. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3024-3037.	1.1	341
31	Towards $\pi$ -multiphoton fluorophores: strongly solvatochromic probes for two-photon sensing of micropolarity. <i>Chemical Communications</i> , 2005, , 2802.	2.2	153
32	Action cross sections of two-photon excited luminescence of some Eu(III) and Tb(III) complexes. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 531.	1.6	132
33	Excimer probe of the binding of alkyl disulfides to gold nanoparticles and subsequent monolayer dynamics Electronic supplementary information (ESI) available: Absorption spectra of nanoparticle solutions in toluene. See <a href="http://www.rsc.org/suppdata/pp/b3/b310952f/">http://www.rsc.org/suppdata/pp/b3/b310952f/</a> . <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 29.	1.6	30
34	Versatility of Aqueous Micellar Solutions for Self-Assembled Monolayers Engineering. <i>Langmuir</i> , 2004, 20, 11577-11582.	1.6	5
35	Strong Modulation of Two-Photon Excited Fluorescence of Quadrupolar Dyes by (De)Protonation. <i>Journal of the American Chemical Society</i> , 2004, 126, 16294-16295.	6.6	98
36	Organization and Orientation of Amphiphilic Push~Pull Chromophores Deposited in Langmuir~Blodgett Monolayers Studied by Second Harmonic Generation and Atomic Force Microscopy. <i>Langmuir</i> , 2004, 20, 8165-8171.	1.6	31

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37	Nanometer Scale Patterning of Langmuir-Blodgett Films of Gold Nanoparticles by Electron Beam Lithography. <i>Nano Letters</i> , 2002, 2, 43-47.	4.5	104
38	Synergistic Complexation of Eu <sup>3+</sup> by a Polydentate Ligand and a Bidentate Antenna to Obtain Ternary Complexes with High Luminescence Quantum Yields. <i>Journal of Physical Chemistry A</i> , 2002, 106, 3681-3689.	1.1	143
39	The emission spectrum and the radiative lifetime of Eu <sup>3+</sup> in luminescent lanthanide complexes. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1542-1548.	1.3	1,195
40	A Near-Infrared Luminescent Label Based on Yb(III) Ions and Its Application in a Fluoroimmunoassay. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4542-4544.	7.2	186
41	Luminescent materials and devices: lanthanide azatriphenylene complexes and electroluminescent charge transfer systems. <i>Coordination Chemistry Reviews</i> , 2000, 208, 3-16.	9.5	81
42	A Systematic Study of the Photophysical Processes in Polydentate Triphenylene-Functionalized Eu <sup>3+</sup> , Tb <sup>3+</sup> , Nd <sup>3+</sup> , Yb <sup>3+</sup> , and Er <sup>3+</sup> -Complexes. <i>Journal of Physical Chemistry A</i> , 2000, 104, 5457-5468.	1.1	331
43	Efficient visible light sensitisation of water-soluble near-infrared luminescent lanthanide complexes. <i>Perkin Transactions II RSC</i> , 2000, , 433-439.	1.1	134
44	A Near-Infrared Luminescent Label Based on Yb(III) Ions and Its Application in a Fluoroimmunoassay. , 2000, 39, 4542.		2
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. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4542-4544.	7.2	4
46	Comment on "Amplified spontaneous emission of a Nd <sup>3+</sup> -doped poly(methylmethacrylate) optical fiber at ambient temperature" [Appl. Phys. Lett. 72, 407 (1998)]. <i>Applied Physics Letters</i> , 1999, 74, 3576-3577.	1.5	6
47	Bathochromicity of Michler's ketone upon coordination with lanthanide(III) $\beta^2$ -diketonates enables efficient sensitisation of Eu <sup>3+</sup> for luminescence under visible light excitation. <i>Chemical Communications</i> , 1999, , 799-800.	2.2	121
48	Near-IR Luminescent Rare Earth Ion-Sensitizer Complexes. <i>Journal of Fluorescence</i> , 1998, 8, 301-308.	1.3	36
49	Fluorescein and eosin as sensitizing chromophores in near-infrared luminescent ytterbium(III), neodymium(III) and erbium(III) chelates. <i>Chemical Physics Letters</i> , 1997, 276, 196-201.	1.2	198
50	Single molecule spectroscopy. Perylene in the Shpol'skii matrix n-nonane. <i>Chemical Physics Letters</i> , 1996, 250, 576-582.	1.2	40