## Christian P Wrth

## List of Publications by Citations

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62
papers

3,439
citations

h-index

58
g-index

69
ext. papers

7
avg, IF

5.43
L-index

#	Paper	IF	Citations
62	Relative and absolute determination of fluorescence quantum yields of transparent samples.  Nature Protocols, <b>2013</b> , 8, 1535-50	18.8	622
61	Quenching of the upconversion luminescence of NaYFEYb +, Er + and NaYFEYb +, Tm + nanophosphors by water: the role of the sensitizer Yb + in non-radiative relaxation. <i>Nanoscale</i> , <b>2015</b> , 7, 11746-57	7.7	207
60	NaYF: Yb,Er/NaYF Core/Shell Nanocrystals with High Upconversion Luminescence Quantum Yield. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8765-8769	16.4	197
59	Water dispersible upconverting nanoparticles: effects of surface modification on their luminescence and colloidal stability. <i>Nanoscale</i> , <b>2015</b> , 7, 1403-10	7.7	172
58	Comparison of methods and achievable uncertainties for the relative and absolute measurement of photoluminescence quantum yields. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 3431-9	7.8	141
57	Quantum Yields, Surface Quenching, and Passivation Efficiency for Ultrasmall Core/Shell Upconverting Nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 4922-4928	16.4	132
56	Particle-Size-Dependent FEster Resonance Energy Transfer from Upconversion Nanoparticles to Organic Dyes. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 4868-4874	7.8	125
55	Targeted luminescent near-infrared polymer-nanoprobes for in vivo imaging of tumor hypoxia. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 9039-46	7.8	118
54	Power-dependent upconversion quantum yield of NaYF:Yb,Er nano- and micrometer-sized particles - measurements and simulations. <i>Nanoscale</i> , <b>2017</b> , 9, 10051-10058	7.7	96
53	Excitation power dependent population pathways and absolute quantum yields of upconversion nanoparticles in different solvents. <i>Nanoscale</i> , <b>2017</b> , 9, 4283-4294	7.7	90
52	Determination of the absolute fluorescence quantum yield of rhodamine 6G with optical and photoacoustic methodsproviding the basis for fluorescence quantum yield standards. <i>Talanta</i> , <b>2012</b> , 90, 30-7	6.2	82
51	Encapsulation of hydrophobic dyes in polystyrene micro- and nanoparticles via swelling procedures. Journal of Fluorescence, <b>2011</b> , 21, 937-44	2.4	77
50	Integrating sphere setup for the traceable measurement of absolute photoluminescence quantum yields in the near infrared. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 1345-52	7.8	75
49	Scope and limitations of surface functional group quantification methods: exploratory study with poly(acrylic acid)-grafted micro- and nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 8268-76	16.4	72
48	Femtosecond broadband fluorescence upconversion spectroscopy: improved setup and photometric correction. <i>Review of Scientific Instruments</i> , <b>2011</b> , 82, 063108	1.7	67
47	Evaluation of a commercial integrating sphere setup for the determination of absolute photoluminescence quantum yields of dilute dye solutions. <i>Applied Spectroscopy</i> , <b>2010</b> , 64, 733-41	3.1	59
46	Absolute photoluminescence quantum yields of IR26 and IR-emissive Cd(1-x)Hg(x)Te and PbS quantum dotsmethod- and material-inherent challenges. <i>Nanoscale</i> , <b>2015</b> , 7, 133-43	7.7	58

## (2019-2016)

45	Industrially scalable and cost-effective Mn2+ doped ZnxCd1\(\mathbb{R}\)/ZnS nanocrystals with 70% photoluminescence quantum yield, as efficient down-shifting materials in photovoltaics. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1083-1094	35.4	53
44	Critical review of the determination of photoluminescence quantum yields of luminescent reporters. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 59-78	4.4	51
43	Particle-size-dependent upconversion luminescence of NaYF4: Yb, Er nanoparticles in organic solvents and water at different excitation power densities. <i>Nano Research</i> , <b>2018</b> , 11, 6360-6374	10	50
42	New life of ancient pigments: application in high-performance optical sensing materials. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 9371-7	7.8	50
41	Target-specific nanoparticles containing a broad band emissive NIR dye for the sensitive detection and characterization of tumor development. <i>Biomaterials</i> , <b>2013</b> , 34, 160-70	15.6	48
40	Optically Detected Degradation of NaYF:Yb,Tm-Based Upconversion Nanoparticles in Phosphate Buffered Saline Solution. <i>Langmuir</i> , <b>2017</b> , 33, 553-560	4	47
39	Simple strategies towards bright polymer particles via one-step staining procedures. <i>Dyes and Pigments</i> , <b>2012</b> , 94, 247-257	4.6	46
38	Mechanistic insights into seeded growth processes of gold nanoparticles. <i>Nanoscale</i> , <b>2010</b> , 2, 2463-9	7.7	45
37	Absolute upconversion quantum yields of blue-emitting LiYF:Yb,Tm upconverting nanoparticles. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 22556-22562	3.6	43
36	On the decay time of upconversion luminescence. <i>Nanoscale</i> , <b>2019</b> , 11, 4959-4969	7.7	41
36 35	On the decay time of upconversion luminescence. <i>Nanoscale</i> , <b>2019</b> , 11, 4959-4969  Yb,Nd,Er-doped upconversion nanoparticles: 980 nm versus 808 nm excitation. <i>Nanoscale</i> , <b>2019</b> , 11, 13		
35	Yb,Nd,Er-doped upconversion nanoparticles: 980 nm versus 808 nm excitation. <i>Nanoscale</i> , <b>2019</b> , 11, 13  Shaping Luminescent Properties of Yb and Ho Co-Doped Upconverting Core-Shell ENaYF	34 <i>4</i> 0 <del>,</del> 13	3449
35	Yb,Nd,Er-doped upconversion nanoparticles: 980 nm versus 808 nm excitation. <i>Nanoscale</i> , <b>2019</b> , 11, 13  Shaping Luminescent Properties of Yb and Ho Co-Doped Upconverting Core-Shell ENaYF Nanoparticles by Dopant Distribution and Spacing. <i>Small</i> , <b>2017</b> , 13, 1701635  Excitation wavelength dependence of the photoluminescence quantum yield and decay behavior of CdSe/CdS quantum dot/quantum rods with different aspect ratios. <i>Physical Chemistry Chemical</i>	11	40
35 34 33	Yb,Nd,Er-doped upconversion nanoparticles: 980 nm versus 808 nm excitation. <i>Nanoscale</i> , <b>2019</b> , 11, 13  Shaping Luminescent Properties of Yb and Ho Co-Doped Upconverting Core-Shell ENaYF Nanoparticles by Dopant Distribution and Spacing. <i>Small</i> , <b>2017</b> , 13, 1701635  Excitation wavelength dependence of the photoluminescence quantum yield and decay behavior of CdSe/CdS quantum dot/quantum rods with different aspect ratios. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 12509-12516  Inherently Broadband Photoluminescence in AgIhB/ZnS Quantum Dots Observed in Ensemble	34 <del>4</del> 0 <del>,</del> 13 11 3.6	40 39
35 34 33 32	Yb,Nd,Er-doped upconversion nanoparticles: 980 nm versus 808 nm excitation. <i>Nanoscale</i> , <b>2019</b> , 11, 13  Shaping Luminescent Properties of Yb and Ho Co-Doped Upconverting Core-Shell ENaYF Nanoparticles by Dopant Distribution and Spacing. <i>Small</i> , <b>2017</b> , 13, 1701635  Excitation wavelength dependence of the photoluminescence quantum yield and decay behavior of CdSe/CdS quantum dot/quantum rods with different aspect ratios. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 12509-12516  Inherently Broadband Photoluminescence in AgIhB/ZnS Quantum Dots Observed in Ensemble and Single-Particle Studies. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 2632-2641  Tuning the Surface of Nanoparticles: Impact of Poly(2-ethyl-2-oxazoline) on Protein Adsorption in	3.6 3.8	40 39 35
35 34 33 32 31	Yb,Nd,Er-doped upconversion nanoparticles: 980 nm versus 808 nm excitation. <i>Nanoscale</i> , <b>2019</b> , 11, 13  Shaping Luminescent Properties of Yb and Ho Co-Doped Upconverting Core-Shell ENaYF Nanoparticles by Dopant Distribution and Spacing. <i>Small</i> , <b>2017</b> , 13, 1701635  Excitation wavelength dependence of the photoluminescence quantum yield and decay behavior of CdSe/CdS quantum dot/quantum rods with different aspect ratios. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 12509-12516  Inherently Broadband Photoluminescence in AgIhB/ZnS Quantum Dots Observed in Ensemble and Single-Particle Studies. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 2632-2641  Tuning the Surface of Nanoparticles: Impact of Poly(2-ethyl-2-oxazoline) on Protein Adsorption in Serum and Cellular Uptake. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 1287-300  A protected excitation-energy reservoir for efficient upconversion luminescence. <i>Nanoscale</i> , <b>2017</b> ,	3.6 3.8 5.5	39 35 34

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Simple Self-Referenced Luminescent pH Sensors Based on Upconversion Nanocrystals and pH-Sensitive Fluorescent BODIPY Dyes. Analytical Chemistry, 2019, 91, 7756-7764  Spectroscopic characterization of coumarin-stained beads; quantification of the number of Fluorophores per particle with solid-state 19F-RMMR and measurement of absolute fluorescence quantum yields. Analytical Chemistry, 2012, 84, 3654-61  Evolution of Size and Optical Properties of Upconverting Nanoparticles during High-Temperature synthesis. Journal of Physical Chemistry, 2018, 122, 28958-28967  Synthesis and characterisation of highly fluorescent coreBhell nanoparticles based on Alexa dyes. Journal of Nanoparticle Research, 2012, 14, 1  Sensitization of upconverting nanoparticles with a NIR emissive cyanine dye using a micellar encapsulation approach. Methods and Applications in Fluorescence, 2019, 7, 014003  Fluorescent magnetoliposomes as a platform technology for functional and molecular MR and optical imaging. Contrast Media and Molecular Imaging, 2012, 7, 59-67  Colour-optimized quantum yields of Yb, Tm Co-doped upconversion nanocrystals. Methods and Applications in Fluorescence, 2019, 7, 024001  Determination of photoluminescence quantum yields of scattering media with an integrating sphere direct and indirect illumination. Applied Spectroscopy, 2015, 59, 749-59  Beam-profile-compensated quantum yield measurements of upconverting nanoparticles. Physical Chemistry Chemical Physics, 2017, 19, 22016-22022  Quantification of Anisotropy-Related Uncertainties in Relative Photoluminescence Quantum Yield Measurements of Nanomaterials Bemiconductor Quantum Dots and Rods. Zelszchrift Fur Physikidische Chemic, 2015, 229, 153-155  Polymer-and glass-based fluorescence standards for the near infrared (NIR) spectral region. Journal of Fluorescence, 2011, 21, 953-61  LUYF4-Yb-LUYF4 and LUYF4-Yb-Er/LYF4 Core/shell nanocrystals with luminescence decay times similar to YYF lisaer crystals and the upconversion quantum yield of the Yb,Er doped nanocrystals. Na				
fluorophores per particle with solid-state 19F-NMR and measurement of absolute fluorescence quantum yields. Analytical Chemistry, 2012, 84, 3654-61  24 Evolution of Size and Optical Properties of Upconverting Nanoparticles during High-Temperature Synthesis. Journal of Physical Chemistry C, 2018, 122, 28958-28967  25 Synthesis and characterisation of highly fluorescent corelihell nanoparticles based on Alexa dyes. Journal of Nanoparticle Research, 2012, 14, 1  26 Sensitization of upconverting nanoparticles with a NIR-emissive cyanine dye using a micellar encapsulation approach. Methods and Applications in Fluorescence, 2019, 7, 014003  27 Fluorescent magnetoliposomes as a platform technology for functional and molecular MR and optical imaging. Contrast Media and Molecular Imaging, 2012, 7, 59-67  28 Colour-optimized quantum yields of Yb. Tm Co-doped upconversion nanocrystals. Methods and Applications in Fluorescence, 2019, 7, 024001  29 Determination of photoluminescence quantum yields of scattering media with an integrating sphere: direct and indirect illumination. Applied Spectroscopy, 2015, 69, 749-59  30 13 13  31 13  32 15  33 14 20  34 Beam-profile compensated quantum yield measurements of upconverting nanoparticles. Physical Chemistry Chemical Physics, 2017, 19, 22016-22022  35 Quantification of Anisotropy-Related Uncertainties in Relative Photoluminescence Quantum Yield Measurements of Nanomaterials Berniconductor Quantum Dots and Rods. Zeitschrift Fur 3.1  36 12 Polymer-and glass-based fluorescence standards for the near infrared (NIR) spectral region. Journal of Fluorescence, 2011, 21, 953-61  37 19 10 Polymer-and glass-based fluorescence standards for the near infrared (NIR) spectral region. Journal of Fluorescence, 2011, 21, 953-61  38 10 11 11 Research, 2021, 14, 197-806  39 11 12 Polymer-and glass-based fluorescence standards for the near infrared (NIR) spectral region. Journal of Fluorescence, 2011, 21, 953-61  30 11 12 Polymer-and glass-based fluorescence standards for the near infrared (NIR) spe	26		7.8	26
Synthesis. Journal of Physical Chemistry C, 2018, 122, 28958-28967  23 Synthesis and characterisation of highly fluorescent coreBhell nanoparticles based on Alexa dyes. Journal of Nanoparticle Research, 2012, 14, 1  22 Sensitization of upconverting nanoparticles with a NIR-emissive cyanine dye using a micellar encapsulation approach. Methods and Applications in Fluorescence, 2019, 7, 014003  31 15  21 Fluorescent magnetoliposomes as a platform technology for functional and molecular MR and optical imaging. Contrast Media and Molecular Imaging, 2012, 7, 59-67  20 Colour-optimized quantum yields of Yb, Tm Co-doped upconversion nanocrystals. Methods and Applications in Fluorescence, 2019, 7, 024001  32 Determination of photoluminescence quantum yields of scattering media with an integrating sphere: direct and indirect illumination. Applied Spectroscopy, 2015, 69, 749-59  33 13  36 12  Quantification of Anisotropy-Related Uncertainties in Relative Photoluminescence Quantum Yield Measurements of Nanomaterials Bemiconductor Quantum Dots and Rods. Zeitschrift Fur Physikaldische Chemie, 2015, 29, 153-165  36 Polymer-and glass-based fluorescence standards for the near infrared (NIR) spectral region. Journal of Fluorescence, 2011, 21, 953-61  37 VLF laser crystals and the upconversion quantum yield of the Yb,Er doped nanocrystals. Nano Research, 2021, 14, 797-806  38 Polymer-and glass-based fluorescence standards for the near infrared (NIR) spectral region. Journal of Fluorescence, 2011, 21, 953-61  38 Polymer-and glass-based fluorescence standards for the near infrared (NIR) spectral region. Journal of Fluorescence, 2011, 21, 953-61  39 Polymer-and glass-based fluorescence standards for the near infrared (NIR) spectral region. Journal of Fluorescence, 2011, 21, 974-806  30 Polymer-and glass-based fluorescence standards for the near infrared (NIR) spectral region. Journal of Fluorescence, 2011, 21, 274-806  30 Polymer-and glass-based fluorescence spectroscopy for monitoring the stability and dissolution behaviour of upco	25	fluorophores per particle with solid-state 19F-NMR and measurement of absolute fluorescence	7.8	25
Journal of Nanoparticle Research, 2012, 14, 1  23 16  22 Sensitization of upconverting nanoparticles with a NIR-emissive cyanine dye using a micellar encapsulation approach. Methods and Applications in Fluorescence, 2019, 7, 014003  31 15  21 Fluorescent magnetoliposomes as a platform technology for functional and molecular MR and optical imaging. Contrast Media and Molecular Imaging, 2012, 7, 59-67  20 Colour-optimized quantum yields of Yb, Tm Co-doped upconversion nanocrystals. Methods and Applications in Fluorescence, 2019, 7, 024001  31 14  32 Determination of photoluminescence quantum yields of scattering media with an integrating sphere: direct and indirect illumination. Applied Spectroscopy, 2015, 69, 749-59  33 13  36 12  27 Quantification of Anisotropy-Related Uncertainties in Relative Photoluminescence Quantum Yield Measurements of Nanomaterials Emiconductor Quantum Dots and Rods. Zeltschrift Fur Physikalische Chemie, 2015, 229, 153-165  36 Polymer-and glass-based fluorescence standards for the near infrared (NIR) spectral region. Journal of Fluorescence, 2011, 21, 953-61  37 LINF4:Yb/LiYF4 and LIYF4:Yb,Er/LIYF4 core/shell nanocrystals with luminescence decay times similar to YLF laser crystals and the upconversion quantum yield of the Yb,Er doped nanocrystals. Nano Research, 2021, 14, 797-806  38 Aufwitzskonvertierende NaYF4:Yb,Er/NaYF4-Kern/Schale-Nanokristalle mit hoher Lumineszenzquantenausbeute. Angewandte Chemie, 2018, 130, 8901-8905  39 Aufwitzskonvertierende NaYF4:Yb,Er/NaYF4-Kern/Schale-Nanokristalle mit hoher Lumineszenzquantenausbeute. Angewandte Chemie, 2018, 130, 8901-8905  30 Aufwitzskonvertierende Sensitized Photon Upconversion: Toward Highly Efficient Low Power Upconversion Applications and Nanoscale E-Field Sensors. Nano Letters, 2020, 20, 6682-6689  30 Fluorescence Quantum Yield and Single-Particle Emission of CdSe Dot/CdS Rod Nanocrystals.  31 Junial of Physical Chemistry C, 2019, 123, 24338-24346	24		3.8	23
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optical imaging. Contrast Media and Molecular Imaging, 2012, 7, 59-67  20 Colour-optimized quantum yields of Yb, Tm Co-doped upconversion nanocrystals. Methods and Applications in Fluorescence, 2019, 7, 024001  19 Determination of photoluminescence quantum yields of scattering media with an integrating sphere: direct and indirect illumination. Applied Spectroscopy, 2015, 69, 749-59  3.1 13  18 Beam-profile-compensated quantum yield measurements of upconverting nanoparticles. Physical Chemistry Chemical Physics, 2017, 19, 22016-22022  Quantification of Anisotropy-Related Uncertainties in Relative Photoluminescence Quantum Yield Measurements of Nanomaterials Elemiconductor Quantum Dots and Rods. Zeitschrift Fur Physikalische Chemie, 2015, 229, 153-165  16 Polymer-and glass-based fluorescence standards for the near infrared (NIR) spectral region. Journal of Fluorescence, 2011, 21, 953-61  LiYF4:Yb/LiYF4 and LiYF4:Yb,Er/LiYF4 core/shell nanocrystals with luminescence decay times similar to YLF laser crystals and the upconversion quantum yield of the Yb,Er doped nanocrystals. Nano Research, 2021, 14, 797-806  14 Time-resolved luminescence spectroscopy for monitoring the stability and dissolution behaviour of upconverting nanocrystals with different surface coatings. Nanoscale, 2020, 12, 12589-12601  3.6 10  Aufwßtskonvertierende NaYF4:Yb,Er/NaYF4-Kern/Schale-Nanokristalle mit hoher Lumineszenzquantenausbeute. Angewandte Chemie, 2018, 130, 8901-8905  3.6 10  Metasurface Enhanced Sensitized Photon Upconversion: Toward Highly Efficient Low Power Upconversion Applications and Nanoscale E-Field Sensors. Nano Letters, 2020, 20, 6682-6689  11 Fluorescence Quantum Yield and Single-Particle Emission of CdSe Dot/CdS Rod Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 24338-24346  3.8 7	22		3.1	15
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Measurements of Nanomaterials Bemiconductor Quantum Dots and Rods. Zeitschrift Fur Physikalische Chemie, 2015, 229, 153-165  Polymer-and glass-based fluorescence standards for the near infrared (NIR) spectral region. Journal of Fluorescence, 2011, 21, 953-61  LiYF4:Yb/LiYF4 and LiYF4:Yb,Er/LiYF4 core/shell nanocrystals with luminescence decay times similar to YLF laser crystals and the upconversion quantum yield of the Yb,Er doped nanocrystals. Nano Research, 2021, 14, 797-806  Time-resolved luminescence spectroscopy for monitoring the stability and dissolution behaviour of upconverting nanocrystals with different surface coatings. Nanoscale, 2020, 12, 12589-12601  Aufwitskonvertierende NaYF4:Yb,Er/NaYF4-Kern/Schale-Nanokristalle mit hoher Lumineszenzquantenausbeute. Angewandte Chemie, 2018, 130, 8901-8905  Metasurface Enhanced Sensitized Photon Upconversion: Toward Highly Efficient Low Power Upconversion Applications and Nanoscale E-Field Sensors. Nano Letters, 2020, 20, 6682-6689  Fluorescence Quantum Yield and Single-Particle Emission of CdSe Dot/CdS Rod Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 24338-24346  Bioimaging: Shaping Luminescent Properties of Yb3+ and Ho3+ Co-Doped Upconverting CoreBhell	18		3.6	12
LiYF4:Yb/LiYF4 and LiYF4:Yb,Er/LiYF4 core/shell nanocrystals with luminescence decay times similar to YLF laser crystals and the upconversion quantum yield of the Yb,Er doped nanocrystals. Nano Research, 2021, 14, 797-806  Time-resolved luminescence spectroscopy for monitoring the stability and dissolution behaviour of upconverting nanocrystals with different surface coatings. Nanoscale, 2020, 12, 12589-12601  Aufwitskonvertierende NaYF4:Yb,Er/NaYF4-Kern/Schale-Nanokristalle mit hoher Lumineszenzquantenausbeute. Angewandte Chemie, 2018, 130, 8901-8905  Metasurface Enhanced Sensitized Photon Upconversion: Toward Highly Efficient Low Power Upconversion Applications and Nanoscale E-Field Sensors. Nano Letters, 2020, 20, 6682-6689  Fluorescence Quantum Yield and Single-Particle Emission of CdSe Dot/CdS Rod Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 24338-24346  Bioimaging: Shaping Luminescent Properties of Yb3+ and Ho3+ Co-Doped Upconverting CoreBhell	17	Measurements of Nanomaterials Semiconductor Quantum Dots and Rods. Zeitschrift Fur	3.1	12
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Lumineszenzquantenausbeute. Angewandte Chemie, 2018, 130, 8901-8905  Metasurface Enhanced Sensitized Photon Upconversion: Toward Highly Efficient Low Power Upconversion Applications and Nanoscale E-Field Sensors. Nano Letters, 2020, 20, 6682-6689  Fluorescence Quantum Yield and Single-Particle Emission of CdSe Dot/CdS Rod Nanocrystals.  Journal of Physical Chemistry C, 2019, 123, 24338-24346  Bioimaging: Shaping Luminescent Properties of Yb3+ and Ho3+ Co-Doped Upconverting CoreBhell	14		7.7	10
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Journal of Physical Chemistry C, 2019, 123, 24338-24346  Bioimaging: Shaping Luminescent Properties of Yb3+ and Ho3+ Co-Doped Upconverting CoreBhell	12		11.5	8
	11		3.8	7
	10		11	6

## LIST OF PUBLICATIONS

9	Synthesis of NIR-Emitting InAs-Based Core/Shell Quantum Dots with the Use of Tripyrazolylarsane as Arsenic Precursor. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1800175	3.1	5
8	Efficient Luminescent Solar Concentrators Based on Environmentally Friendly Cd-Free Ternary AIS/ZnS Quantum Dots. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100587	8.1	4
7	Efficient sub-15 nm cubic-phase core/shell upconversion nanoparticles as reporters for ensemble and single particle studies. <i>Nanoscale</i> , <b>2020</b> , 12, 10592-10599	7.7	3
6	Fluorophore-Labeled Siloxane-Based Nanoparticles for Biomedical Applications. <i>Macromolecular Symposia</i> , <b>2011</b> , 309-310, 141-146	0.8	3
5	Multiband emission from single ENaYF4(Yb,Er) nanoparticles at high excitation power densities and comparison to ensemble studies. <i>Nano Research</i> , <b>2021</b> , 14, 4107	10	3
4	The toolbox of fluorescence standards: flexible calibration tools for the standardization of fluorescence-based measurements <b>2010</b> ,		2
3	Metasurface-Enhanced Photon Upconversion upon 1550 hm Excitation. Advanced Optical Materials, 210	12.85	2
2	LumineszenzmessungenStandards und die Vergleichbarkeit der Ergebnisse. <i>Nachrichten Aus Der Chemie</i> , <b>2021</b> , 69, 45-48	0.1	
1	Volume and surface effects on two-photonic and three-photonic processes in dry co-doped upconversion nanocrystals. <i>Nano Research</i> ,1	10	