

# Thierry Verbiest

## List of Publications by Year in descending order

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338  
papers

12,156  
citations

28274

55  
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40979

93  
g-index

343  
all docs

343  
docs citations

343  
times ranked

11199  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular dysprosium complexes for white-light and near-infrared emission controlled by the coordination environment. <i>Journal of Luminescence</i> , 2022, 243, 118646.	3.1	3
2	Spontaneous Symmetry Breaking: The Case of Crazy Clock and Beyond. <i>Symmetry</i> , 2022, 14, 413.	2.2	3
3	Uncovering Hidden Dynamics of Natural Photonic Structures using Holographic Imaging. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	1
4	Label-Free Imaging of Membrane Potentials by Intramembrane Field Modulation, Assessed by Second Harmonic Generation Microscopy. <i>Small</i> , 2022, 18, e2200205.	10.0	4
5	Influence of the degree of polymerization and surface curvature on the supramolecular organization of fixated polythiophenes. <i>Polymer</i> , 2022, , 124846.	3.8	0
6	Ultrasmall iron oxide nanoparticles functionalized with BODIPY derivatives as potential bimodal probes for MRI and optical imaging. <i>Nano Select</i> , 2021, 2, 406-416.	3.7	3
7	Visualization and characterization of metallo-aggregates using multi-photon microscopy. <i>RSC Advances</i> , 2021, 11, 657-661.	3.6	0
8	Solvent Role in the Self-Assembly of Poly(3-alkylthiophene): A Harmonic Light Scattering Study. <i>Macromolecules</i> , 2021, 54, 2477-2484.	4.8	9
9	Vortex-Induced Harmonic Light Scattering of Porphyrin J-Aggregates. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2690-2695.	2.6	4
10	Effect of poly(thiophene)s topology on their third-order nonlinear optical response. <i>Polymer</i> , 2021, 222, 123630.	3.8	1
11	Enhanced electric field sensitivity of quantum dot/rod two-photon fluorescence and its relevance for cell transmembrane voltage imaging. <i>Nanophotonics</i> , 2021, 10, 2407-2420.	6.0	6
12	Catechol as a Universal Linker for the Synthesis of Hybrid Polyfluorene/Nanoparticle Materials. <i>Macromolecules</i> , 2021, 54, 4582-4591.	4.8	3
13	Label-Free Iron Oxide Nanoparticles as Multimodal Contrast Agents in Cells Using Multi-Photon and Magnetic Resonance Imaging. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 8375-8389.	6.7	6
14	The Importance of Excellent $\pi$ - $\pi$ Interactions in Poly(thiophene)s To Reach a High Third-Order Nonlinear Optical Response. <i>Journal of Physical Chemistry B</i> , 2020, 124, 9668-9679.	2.6	6
15	Unraveling the Supramolecular Organization Mechanism of Chiral Star-Shaped Poly(3-alkylthiophene). <i>Macromolecules</i> , 2020, 53, 9513-9520.	4.8	5
16	Advent of Plasmonic Behavior: Dynamically Tracking the Formation of Gold Nanoparticles through Nonlinear Spectroscopy. <i>Chemistry of Materials</i> , 2020, 32, 7327-7337.	6.7	5
17	Development of a Layered Hybrid Nanocomposite Material Using $\hat{\pi}$ -Bifunctionalized Polythiophenes. <i>Macromolecules</i> , 2020, 53, 11098-11105.	4.8	9
18	Synthesis of Poly(phenylene ethynylene) Using an Easily Recyclable Pd-Functionalized Magnetite Nanoparticle Catalyst. <i>Macromolecules</i> , 2020, 53, 1998-2005.	4.8	3

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19	Plasmonic heating using an easily recyclable Pd-functionalized Fe <sub>3</sub> O <sub>4</sub> /Au core-shell nanoparticle catalyst for the Suzuki and Sonogashira reaction. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5648.	3.5	7
20	Ligand-free, recyclable palladium-functionalized magnetite nanoparticles as a catalyst in the Suzuki, Sonogashira, and Stille reaction. <i>Journal of Organometallic Chemistry</i> , 2019, 904, 121005.	1.8	13
21	Thin Films of Tolane Aggregates for Faraday Rotation: Materials and Measurement. <i>Coatings</i> , 2019, 9, 669.	2.6	5
22	Magnetically induced Suzuki and Sonogashira reaction performed using recyclable, palladium-functionalized magnetite nanoparticles. <i>Journal of Organometallic Chemistry</i> , 2019, 899, 120905.	1.8	14
23	Unveiling the nonlinear optical response of <i>Trictenotoma childreni</i> longhorn beetle. <i>Journal of Biophotonics</i> , 2019, 12, e201800470.	2.3	3
24	Enhancement of Nonlinear Optical Scattering by Gold Nanoparticles through Aggregation-Induced Plasmon Coupling in the Near-Infrared. <i>ChemPhysChem</i> , 2019, 20, 1765-1774.	2.1	5
25	Nonlinear optical spectroscopy and two-photon excited fluorescence spectroscopy reveal the excited states of fluorophores embedded in a beetle's elytra. <i>Interface Focus</i> , 2019, 9, 20180052.	3.0	12
26	Faraday Rotation in Discotic Liquid Crystals by Long-Range Electron Movement. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9382-9387.	3.1	10
27	Molecular Power Spring: Circular Dichroism Inversion of Polythiophene Aggregates from the Right-Handed Helix to Left-Handed Helix. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2925-2929.	2.6	8
28	Novel synthesis of superparamagnetic plasmonic core-shell iron oxide-gold nanoparticles. <i>Physica B: Condensed Matter</i> , 2019, 560, 85-90.	2.7	24
29	Harmonic light scattering study reveals structured clusters upon the supramolecular aggregation of regioregular poly(3-alkylthiophene). <i>Communications Chemistry</i> , 2019, 2, .	4.5	17
30	Linear and nonlinear optical effects in biophotonic structures using classical and nonclassical light. <i>Journal of Biophotonics</i> , 2019, 12, e201800262.	2.3	10
31	Mixed Electric-Magnetic Second Order Response of Helicenes. , 2019, , 769-770.		0
32	A Nonlinear Optically Active Bismuth-Camphorate Coordination Polymer. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2437-2443.	2.0	12
33	Role of Donor and Acceptor Substituents on the Nonlinear Optical Properties of Gold Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4019-4028.	3.1	15
34	Synthesis and supramolecular organization of chiral poly(thiophene)-magnetite hybrid nanoparticles. <i>Polymer Chemistry</i> , 2018, 9, 3029-3036.	3.9	11
35	Simultaneous glucose production from cellulose and fouling reduction using a magnetic responsive membrane reactor with superparamagnetic nanoparticles carrying cellulolytic enzymes. <i>Bioresource Technology</i> , 2018, 263, 532-540.	9.6	24
36	Tailoring atomic layer growth at the liquid-metal interface. <i>Nature Communications</i> , 2018, 9, 4889.	12.8	10

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37	Ultrasonic Spray Coating as a Fast Alternative Technique for the Deposition of Hybrid Magnetic-Plasmonic Nanocomposites. <i>Advanced Engineering Materials</i> , 2018, 20, 1800681.	3.5	6
38	Morphology and structure of ZIF-8 during crystallisation measured by dynamic angle-resolved second harmonic scattering. <i>Nature Communications</i> , 2018, 9, 3418.	12.8	29
39	Evaporation rate-based selection of supramolecular chirality. <i>Chemical Communications</i> , 2017, 53, 3066-3069.	4.1	19
40	Third-Harmonic Scattering for Fast and Sensitive Screening of the Second Hyperpolarizability in Solution. <i>Analytical Chemistry</i> , 2017, 89, 2964-2971.	6.5	26
41	Conformational Changes of a Surface-Tethered Polymer during Radical Growth Probed with Second-Harmonic Generation. <i>Langmuir</i> , 2017, 33, 4157-4163.	3.5	1
42	Faraday Effect in Stacks of Aromatic Molecules. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15348-15352.	3.1	13
43	Fluorescence-Free Spectral Dispersion of the Molecular First Hyperpolarizability of Bacteriorhodopsin. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6909-6915.	3.1	13
44	Resonance Enhancement of Nonlinear Optical Scattering in Monolayer-Protected Gold Clusters. <i>Journal of the American Chemical Society</i> , 2017, 139, 14853-14856.	13.7	19
45	Emergence of Nonlinear Optical Activity by Incorporation of a Linker Carrying the <i>p</i> -Nitroaniline Motif in MIL-53 Frameworks. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25509-25519.	3.1	20
46	Chiral Side Groups Trigger Second Harmonic Generation Activity in 3D Octupolar Bipyrimidine-Based Organic Liquid Crystals. <i>Angewandte Chemie</i> , 2017, 129, 9674-9678.	2.0	1
47	Chiral Side Groups Trigger Second Harmonic Generation Activity in 3D Octupolar Bipyrimidine-Based Organic Liquid Crystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9546-9550.	13.8	18
48	Effect of operational parameters on the performance of a magnetic responsive biocatalytic membrane reactor. <i>Chemical Engineering Journal</i> , 2017, 308, 853-862.	12.7	19
49	The Development of Multimodal Nanoparticles for an Early Detection of Tumors. , 2017, , ,		0
50	Tunability of Size and Magnetic Moment of Iron Oxide Nanoparticles Synthesized by Forced Hydrolysis. <i>Materials</i> , 2016, 9, 554.	2.9	14
51	Ultrasmall Superparamagnetic Iron Oxide Nanoparticles with Europium(III) DO3A as a Bimodal Imaging Probe. <i>Chemistry - A European Journal</i> , 2016, 22, 4521-4527.	3.3	17
52	Intense Signal Modulation of Nonlinear Optical Scattering and Multiphoton Fluorescence by Ultrasound Irradiation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 29382-29389.	3.1	1
53	Symmetry breaking in ligand-protected gold clusters probed by nonlinear optics. <i>Nanoscale</i> , 2016, 8, 12123-12127.	5.6	31
54	ZIF-8 as Nonlinear Optical Material: Influence of Structure and Synthesis. <i>Chemistry of Materials</i> , 2016, 28, 3203-3209.	6.7	57

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55	Magnetothermal release of payload from iron oxide/silica drug delivery agents. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 194-199.	2.3	16
56	Second-Order Nonlinear Optical Scattering Properties of Phosphine-Protected Au <sub>20</sub> Clusters. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 10500-10506.	3.7	14
57	Investigation of the second hyperpolarizability of Ru-alkynyl complexes by z-scan and nonlinear scattering. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
58	Giant faraday rotation in conjugated, rod-like molecules. , 2016, , .		0
59	Resolving enantiomers using the optical angular momentum of twisted light. <i>Science Advances</i> , 2016, 2, e1501349.	10.3	110
60	Magneto-optical activity in organic thin film materials. <i>Smart Materials and Structures</i> , 2016, 25, 12LT01.	3.5	5
61	Acoustic effects on nonlinear optical processes. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
62	Controlled partial interpenetration in metal-organic frameworks. <i>Nature Chemistry</i> , 2016, 8, 250-257.	13.6	113
63	Second harmonic generation microscopy reveals hidden polar organization in fluoride doped MIL-53(Fe). <i>Dalton Transactions</i> , 2016, 45, 4401-4406.	3.3	19
64	Broadband Nonreciprocal Quadrupolarization-Induced Asymmetric Transmission (Q <sup>AT</sup> ) in Plasmonic Nanoparticle Aggregates. <i>Advanced Materials</i> , 2015, 27, 2485-2488.	21.0	10
65	Potential theranostic and multimodal iron oxide nanoparticles decorated with rhenium-bipyridine and -phenanthroline complexes. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4370-4376.	5.8	13
66	Influence of Structure of End-Group-Functionalized Poly(3-hexylthiophene) and Poly(3-octylselenophene) Anchored on Au Nanoparticles. <i>Macromolecules</i> , 2015, 48, 8752-8759.	4.8	13
67	Single- and multi-core-FePt nanoparticles: from controlled synthesis via zwitterionic and silica bio-functionalization to MRI applications. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	13
68	Transferability of antibody pairs from ELISA to fiber optic surface plasmon resonance for infliximab detection. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
69	Nonlinear optical enhancement caused by a higher order multipole mode of metallic triangles. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1576-1581.	5.5	9
70	Nonlinear Optical Properties of Thiolate-Protected Gold Clusters. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6221-6226.	3.1	54
71	Regioregularity Increases Second-Order Nonlinear Optical Response of Polythiophenes in Solution. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18513-18517.	3.1	9
72	Nanoscale tuning of enzyme localization for enhanced reactor performance in a novel magnetic-responsive biocatalytic membrane reactor. <i>Journal of Membrane Science</i> , 2015, 487, 209-220.	8.2	33

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73	Antibody-modified iron oxide nanoparticles for efficient magnetic isolation and flow cytometric determination of <i>L. pneumophila</i> . <i>Mikrochimica Acta</i> , 2015, 182, 1439-1446.	5.0	14
74	Nonlinear Optical Properties of Thiolate-Protected Gold Clusters: A Theoretical Survey of the First Hyperpolarizabilities. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27676-27682.	3.1	31
75	Multifunctional iron oxide nanoparticles for biomedical applications. , 2015, , .		0
76	Selective protein purification by PEG-IDA-functionalized iron oxide nanoparticles. <i>RSC Advances</i> , 2015, 5, 66549-66553.	3.6	9
77	Two-Step Directional Surface Modification of Iron Oxide Nanoparticles with Protected Siloxanes. <i>ChemPlusChem</i> , 2015, 80, 50-53.	2.8	9
78	Heterobifunctional PEG Ligands for Bioconjugation Reactions on Iron Oxide Nanoparticles. <i>PLoS ONE</i> , 2014, 9, e109475.	2.5	30
79	Synthesis and Characterization of Holmium-Doped Iron Oxide Nanoparticles. <i>Materials</i> , 2014, 7, 1155-1164.	2.9	32
80	Sensorless adaptive optics and the effect of field of view in biological second harmonic generation microscopy. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
81	Second-harmonic generation microscopy of collagen-bearing structures. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
82	Feature issue introduction: chirality in optics. <i>Optical Materials Express</i> , 2014, 4, 2663.	3.0	6
83	Fabrication of polymer inverse opals with linear and nonlinear optical functionalities using a sandwiching approach. , 2014, , .		1
84	Optical properties of magnetic-plasmonic nanoparticle multilayers. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
85	Large optical second harmonic generation in a low-bandgap polymer. , 2014, , .		0
86	Layer-by-Layer synthesis and tunable optical properties of hybrid magnetic-plasmonic nanocomposites using short bifunctional molecular linkers. <i>Materials Letters</i> , 2014, 118, 99-102.	2.6	23
87	Nonlinear Superchiral Meta-Surfaces: Tuning Chirality and Disentangling Non-Reciprocity at the Nanoscale. <i>Advanced Materials</i> , 2014, 26, 4074-4081.	21.0	120
88	Selective Uptake of Rare Earths from Aqueous Solutions by EDTA-Functionalized Magnetic and Nonmagnetic Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 4980-4988.	8.0	148
89	Silver nanoparticles as localized "nano-heaters" under LED light irradiation to improve membrane performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3182.	10.3	31
90	Electric-Field-Induced Second-Harmonic Generation Demonstrates Different Interface Properties of Molecular Beam Epitaxy Grown MgO on Si. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1919-1924.	3.1	5

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91	Anisotropy versus circular dichroism in second harmonic generation from fourfold symmetric arrays of G-shaped nanostructures. <i>Physical Review B</i> , 2014, 89, .	3.2	29
92	Catechols as ligands for CdSe/ZnS quantum dots. <i>RSC Advances</i> , 2014, 4, 10208.	3.6	11
93	Poly(3-alkylthiophene)s show unexpected second-order nonlinear optical response. <i>Chemical Communications</i> , 2014, 50, 2741-2743.	4.1	28
94	Orientational changes of supported chiral 2,2'-dihydroxy-1,1'-binaphthyl molecules. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7299-7306.	2.8	21
95	Chiral Phase Transfer and Enantioenrichment of Thiolate-Protected Au <sub>102</sub> Clusters. <i>Journal of the American Chemical Society</i> , 2014, 136, 4129-4132.	13.7	125
96	Optical second harmonic generation in a low-bandgap polymer. <i>Materials Chemistry and Physics</i> , 2014, 147, 356-359.	4.0	1
97	Sandwich Approach toward Inverse Opals with Linear and Nonlinear Optical Functionalities. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 3870-3878.	8.0	7
98	Record-high hyperpolarizabilities in conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4533-4538.	5.5	18
99	Acid-Stable Magnetic Core-Shell Nanoparticles for the Separation of Rare Earths. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 15222-15229.	3.7	57
100	Ala-7, His-10 and Arg-12 are crucial amino acids for activity of a synthetically engineered 1/4-conotoxin. <i>Peptides</i> , 2014, 53, 300-306.	2.4	3
101	Giant Faraday Rotation in Mesogenic Organic Molecules. <i>Chemistry of Materials</i> , 2013, 25, 1139-1143.	6.7	44
102	Synthesis of End-Group Functionalized P3HT: General Protocol for P3HT/Nanoparticle Hybrids. <i>Macromolecules</i> , 2013, 46, 8500-8508.	4.8	43
103	Chiral Thin Films of Metal Oxide. <i>Chemistry - A European Journal</i> , 2013, 19, 10295-10301.	3.3	15
104	Improving the performance of pervaporation membranes via localized heating through incorporation of silver nanoparticles. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15031.	10.3	21
105	Structures, Sorption Characteristics, and Nonlinear Optical Properties of a New Series of Highly Stable Aluminum MOFs. <i>Chemistry of Materials</i> , 2013, 25, 17-26.	6.7	307
106	Improving the flux of PDMS membranes via localized heating through incorporation of gold nanoparticles. <i>Journal of Membrane Science</i> , 2013, 428, 63-69.	8.2	58
107	Magneto-optical harmonic susceptometry of superparamagnetic materials. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	15
108	Chirality and Chiroptical Effects in Plasmonic Nanostructures: Fundamentals, Recent Progress, and Outlook. <i>Advanced Materials</i> , 2013, 25, 2517-2534.	21.0	591

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109	Probing microporous materials with second-harmonic generation. <i>Microporous and Mesoporous Materials</i> , 2013, 166, 102-108.	4.4	22
110	Second-harmonic generation from complex chiral samples. <i>Proceedings of SPIE</i> , 2013, , .	0.8	2
111	Nanostripe length dependence of plasmon-induced material deformations. <i>Optics Letters</i> , 2013, 38, 2256.	3.3	18
112	Magneto-optical effects in clusters of superparamagnetic iron oxide and plasmonic gold nanoparticles. , 2013, , .		0
113	Photoelastic modulator non-idealities in magneto-optical polarization measurements. , 2013, , .		4
114	Tunneling of holes is observed by second-harmonic generation. <i>Applied Physics Letters</i> , 2013, 102, 082104.	3.3	5
115	Spectral measurements to probe the magneto-optical properties of commonly used organic dyes. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
116	Tuning the properties of colloidal magneto-photonic crystals by controlled infiltration with superparamagnetic magnetite nanoparticles. , 2012, , .		3
117	Robustness of the scanning second harmonic generation microscopy technique for characterization of hotspot patterns in plasmonic nanomaterials. , 2012, , .		0
118	Plasmon-assisted enhancement of third-order nonlinear optical effects in core (shell) nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 138.	2.1	25
119	Second-harmonic generation as characterization tool for Ge/high-k dielectric interfaces. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
120	The role of chiral local field enhancements below the resolution limit of Second Harmonic Generation microscopy. <i>Optics Express</i> , 2012, 20, 256.	3.4	51
121	Characterization of magnetization-induced second harmonic generation in iron oxide polymer nanocomposites. <i>Applied Optics</i> , 2012, 51, 209.	1.8	20
122	Chirality in nonlinear-optical response of planar G-shaped nanostructures. <i>Optics Express</i> , 2012, 20, 8518.	3.4	23
123	Second harmonic hotspots at the edges of the unit cells in G-shaped gold nanostructures. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
124	Nonlinear optical properties of conjugated polymers. , 2012, , .		0
125	Core-shell nanoparticles as enhanced probes for imaging applications. , 2012, , .		1
126	Switching Faraday rotation on a molecular level. , 2012, , .		0



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127	Improved functionalization of oleic acid-coated iron oxide nanoparticles for biomedical applications. Journal of Nanoparticle Research, 2012, 14, 1100.	1.9	169
128	Improved Flux Via Localized Heating of PDMS Membranes Containing Gold Nanoparticles. Procedia Engineering, 2012, 44, 1421.	1.2	0
129	Point Group Symmetry Determination via Observables Revealed by Polarized Second-Harmonic Generation Microscopy: (2) Applications. Analytical Chemistry, 2012, 84, 6386-6390.	6.5	17
130	Faraday rotation and its dispersion in the visible region for saturated organic liquids. Physical Chemistry Chemical Physics, 2012, 14, 1860.	2.8	22
131	Point Group Symmetry Determination via Observables Revealed by Polarized Second-Harmonic Generation Microscopy: (1) Theory. Analytical Chemistry, 2012, 84, 6378-6385.	6.5	34
132	Comparison of Two Synthesis Routes to Obtain Gold Nanoparticles in Polyimide. Journal of Physical Chemistry C, 2012, 116, 115-125.	3.1	18
133	All Optical Determination of Microscopic and Macroscopic Structure of Chiral, Polar Microcrystals from Achiral, Nonpolar Molecules. Journal of Physical Chemistry C, 2012, 116, 12219-12225.	3.1	18
134	Magnetic-plasmonic nanoparticles for the life sciences: calculated optical properties of hybrid structures. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 559-568.	3.3	53
135	Second-harmonic generation reveals the oxidation steps in semiconductor processing. Journal of Applied Physics, 2012, 111, 064504.	2.5	7
136	SHG/2PF microscopy of single and multi-layer graphene. , 2012, , .		2
137	Circular dichroism in optical second harmonic generated in reflection from chiral G-shaped metamaterials. Journal of Physics: Conference Series, 2012, 352, 012029.	0.4	5
138	Distributing the Optical Near-Field for Efficient Field-Enhancements in Nanostructures. Advanced Materials, 2012, 24, OP208-15, OP272.	21.0	29
139	Versatile ferrofluids based on polyethylene glycol coated iron oxide nanoparticles. Journal of Magnetism and Magnetic Materials, 2012, 324, 1919-1925.	2.3	72
140	Plasmon-Enhanced Sub-Wavelength Laser Ablation: Plasmonic Nanojets. Advanced Materials, 2012, 24, OP29-35.	21.0	53
141	Plasmonics: Plasmon-Enhanced Sub-Wavelength Laser Ablation: Plasmonic Nanojets (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT 0/Overlo	21.0	53
142	Using the photothermal effect to improve membrane separations via localized heating. Journal of Materials Chemistry, 2011, 21, 6079.	6.7	61
143	Influence of the Presence and Length of an Alkyl Spacer on the Supramolecular Chirality of Block Copoly(thiophene)s. Macromolecules, 2011, 44, 728-735.	4.8	25
144	Interchromophoric Interactions in Chiral X-type $\pi$ -Conjugated Oligomers: A Linear and Nonlinear Optical Study. Journal of the American Chemical Society, 2011, 133, 1317-1327.	13.7	82

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145	Plasmons Reveal the Direction of Magnetization in Nickel Nanostructures. <i>ACS Nano</i> , 2011, 5, 91-96.	14.6	76
146	Adsorption Kinetics of Ultrathin Polymer Films in the Melt Probed by Dielectric Spectroscopy and Second-Harmonic Generation. <i>Langmuir</i> , 2011, 27, 13533-13538.	3.5	77
147	Hotspot Decorations Map Plasmonic Patterns with the Resolution of Scanning Probe Techniques. <i>Physical Review Letters</i> , 2011, 106, 226803.	7.8	41
148	Incorporation of Amphiphilic Ruthenium(II) Ammine Complexes into Langmuir-Blodgett Thin Films with Switchable Quadratic Nonlinear Optical Behavior. <i>Inorganic Chemistry</i> , 2011, 50, 12886-12899.	4.0	25
149	Linearly polarized second harmonic generation microscopy reveals chirality: erratum. <i>Optics Express</i> , 2011, 19, 9242.	3.4	4
150	Coherent and incoherent second harmonic generation in planar G-shaped nanostructures. <i>Optics Letters</i> , 2011, 36, 3681.	3.3	18
151	Focus Issue Introduction: Chiral Optical Materials. <i>Optical Materials Express</i> , 2011, 1, 3.	3.0	4
152	Influence of the Supramolecular Organization on the Magnetic Properties of Poly(3-alkylthiophene)s in Their Neutral State. <i>Macromolecules</i> , 2011, 44, 4911-4919.	4.8	16
153	Fast and accurate peanut allergen detection with nanobead enhanced optical fiber SPR biosensor. <i>Talanta</i> , 2011, 83, 1436-1441.	5.5	134
154	Preparing polymer films doped with magnetic nanoparticles by spin-coating and melt-processing can induce an in-plane magnetic anisotropy. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	12
155	End Group-Functionalization and Synthesis of Block-Copolythiophenes by Modified Nickel Initiators. <i>Macromolecules</i> , 2011, 44, 6017-6025.	4.8	69
156	Unexpected second-order nonlinear optical effects in conjugated polymers. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
157	Improving fluxes of polyimide membranes containing gold nanoparticles by photothermal heating. <i>Journal of Membrane Science</i> , 2011, 373, 5-13.	8.2	59
158	Si passivation for Ge pMOSFETs: Impact of Si cap growth conditions. <i>Solid-State Electronics</i> , 2011, 60, 116-121.	1.4	24
159	Development of a universal chain-growth polymerization protocol of conjugated polymers: Toward a variety of all-conjugated block-copolymers. <i>Journal of Polymer Science Part A</i> , 2011, 49, 5339-5349.	2.3	58
160	U-shaped Switches for Optical Information Processing at the Nanoscale. <i>Small</i> , 2011, 7, 2573-2576.	10.0	35
161	Ni-Catalyzed Polymerization of Poly(3-alkoxythiophene)s. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 328-335.	2.2	15
162	Spontaneous chirality in an octupolar discotic crystal. , 2011, , .		1

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163	Nonreciprocal silicon-organic nanophotonic structures. , 2011, , .		1
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