

Thierry Verbiest

List of Publications by Year in descending order

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337
papers

12,156
citations

28242

55
h-index

40954

93
g-index

343
all docs

343
docs citations

343
times ranked

11199
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong Enhancement of Nonlinear Optical Properties Through Supramolecular Chirality. , 1998, 282, 913-915.		680
2	Chirality and Chiroptical Effects in Plasmonic Nanostructures: Fundamentals, Recent Progress, and Outlook. Advanced Materials, 2013, 25, 2517-2534.	11.1	591
3	Second-order nonlinear optical materials: recent advances in chromophore design. Journal of Materials Chemistry, 1997, 7, 2175-2189.	6.7	584
4	Structures, Sorption Characteristics, and Nonlinear Optical Properties of a New Series of Highly Stable Aluminum MOFs. Chemistry of Materials, 2013, 25, 17-26.	3.2	307
5	Exceptionally Thermally Stable Polyimides for Second-Order Nonlinear Optical Applications. Science, 1995, 268, 1604-1606.	6.0	242
6	Plasmonic Ratchet Wheels: Switching Circular Dichroism by Arranging Chiral Nanostructures. Nano Letters, 2009, 9, 3945-3948.	4.5	220
7	Investigations of the Hyperpolarizability in Organic Molecules from Dipolar to Octopolar Systems. Journal of the American Chemical Society, 1994, 116, 9320-9323.	6.6	208
8	Synthesis, Self-Assembly, and Nonlinear Optical Properties of Conjugated Helical Metal Phthalocyanine Derivatives. Journal of the American Chemical Society, 1999, 121, 3453-3459.	6.6	196
9	Large second-order optical polarizabilities in mixed-valency metal complexes. Nature, 1993, 363, 58-60.	13.7	188
10	Supramolecular Second-Order Nonlinearity of Polymers with Orientationally Correlated Chromophores. Science, 1995, 270, 966-969.	6.0	180
11	Improved functionalization of oleic acid-coated iron oxide nanoparticles for biomedical applications. Journal of Nanoparticle Research, 2012, 14, 1100.	0.8	169
12	Asymmetric Optical Second-Harmonic Generation from Chiral G -Shaped Gold Nanostructures. Physical Review Letters, 2010, 104, 127401.	2.9	153
13	Nonlinear Optical Properties of Proteins Measured by Hyper-Rayleigh Scattering in Solution. Science, 1993, 262, 1419-1422.	6.0	151
14	Selective Uptake of Rare Earths from Aqueous Solutions by EDTA-Functionalized Magnetic and Nonmagnetic Nanoparticles. ACS Applied Materials & Interfaces, 2014, 6, 4980-4988.	4.0	148
15	Second-harmonic generation from chiral surfaces. Journal of Chemical Physics, 1994, 101, 8193-8199.	1.2	141
16	Redox-Switching of Nonlinear Optical Behavior in Langmuir-Blodgett Thin Films Containing a Ruthenium(II) Ammine Complex. Journal of the American Chemical Society, 2008, 130, 3286-3287.	6.6	139
17	Fast and accurate peanut allergen detection with nanobead enhanced optical fiber SPR biosensor. Talanta, 2011, 83, 1436-1441.	2.9	134
18	Second-order non-linear optical polymers. Macromolecular Rapid Communications, 2000, 21, 1-15.	2.0	126

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19	Chiral Phase Transfer and Enantioenrichment of Thiolate-Protected Au ₁₀₂ Clusters. <i>Journal of the American Chemical Society</i> , 2014, 136, 4129-4132.	6.6	125
20	Incorporation of Different End Groups in Conjugated Polymers Using Functional Nickel Initiators. <i>Macromolecules</i> , 2009, 42, 7638-7641.	2.2	122
21	Second-order nonlinear optical properties of chiral materials. <i>Materials Science and Engineering Reports</i> , 2003, 42, 115-155.	14.8	120
22	Nonlinear Superchiral Meta-surfaces: Tuning Chirality and Disentangling Non-Reciprocity at the Nanoscale. <i>Advanced Materials</i> , 2014, 26, 4074-4081.	11.1	120
23	Circular Dichroism and UV-Visible Absorption Spectra of the Langmuir-Blodgett Films of an Aggregating Helicene. <i>Journal of the American Chemical Society</i> , 1998, 120, 8656-8660.	6.6	115
24	Controlled partial interpenetration in metal-organic frameworks. <i>Nature Chemistry</i> , 2016, 8, 250-257.	6.6	113
25	Resolving enantiomers using the optical angular momentum of twisted light. <i>Science Advances</i> , 2016, 2, e1501349.	4.7	110
26	Optical Activity of Anisotropic Achiral Surfaces. <i>Physical Review Letters</i> , 1996, 77, 1456-1459.	2.9	109
27	Donor-Embedded Nonlinear Optical Side Chain Polyimides Containing No Flexible Tether: Materials of Exceptional Thermal Stability for Electrooptic Applications. <i>Macromolecules</i> , 1995, 28, 4970-4974.	2.2	107
28	Electric-Field-Modulated Circular-Difference Effects in Second-Harmonic Generation from a Chiral Liquid Crystal. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3882-3884.	7.2	98
29	Interactions of twisted light with chiral molecules: An experimental investigation. <i>Physical Review A</i> , 2005, 71, .	1.0	97
30	Nonlinear Optical Activity and Biomolecular Chirality. <i>Journal of the American Chemical Society</i> , 1994, 116, 9203-9205.	6.6	96
31	Determination of the hyperpolarizability of an octopolar molecular ion by hyper-Rayleigh scattering. <i>Optics Letters</i> , 1993, 18, 525.	1.7	90
32	Regioregular Poly(3-alkoxythiophene)s: Toward Soluble, Chiral Conjugated Polymers with a Stable Oxidized State. <i>Macromolecules</i> , 2005, 38, 5554-5559.	2.2	84
33	Second-order nonlinear optical properties of chiral thin films. <i>Journal of Materials Chemistry</i> , 1999, 9, 2005-2012.	6.7	83
34	Interchromophoric Interactions in Chiral X-type π -Conjugated Oligomers: A Linear and Nonlinear Optical Study. <i>Journal of the American Chemical Society</i> , 2011, 133, 1317-1327.	6.6	82
35	Adsorption Kinetics of Ultrathin Polymer Films in the Melt Probed by Dielectric Spectroscopy and Second-Harmonic Generation. <i>Langmuir</i> , 2011, 27, 13533-13538.	1.6	77
36	Second-order nonlinear optical signatures of surface chirality. <i>Journal of Modern Optics</i> , 1998, 45, 403-423.	0.6	76

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37	Plasmons Reveal the Direction of Magnetization in Nickel Nanostructures. <i>ACS Nano</i> , 2011, 5, 91-96.	7.3	76
38	Expression of Supramolecular Chirality in Block Copoly(thiophene)s. <i>Macromolecules</i> , 2010, 43, 3794-3800.	2.2	75
39	Versatile ferrofluids based on polyethylene glycol coated iron oxide nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 1919-1925.	1.0	72
40	Comparison of linearly and circularly polarized probes of second-order optical activity of chiral surfaces. <i>Journal of Chemical Physics</i> , 1996, 105, 767-772.	1.2	69
41	End Group-Functionalization and Synthesis of Block-Copolythiophenes by Modified Nickel Initiators. <i>Macromolecules</i> , 2011, 44, 6017-6025.	2.2	69
42	Chiral effects in the second-order optical nonlinearity of a poly(isocyanide) monolayer. <i>Advanced Materials</i> , 1995, 7, 641-644.	11.1	65
43	Regioregularity in Poly(3-alkoxythiophene)s: Effects on the Faraday Rotation and Polymerization Mechanism. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1920-1925.	2.0	65
44	Quantitative determination of electric and magnetic second-order susceptibility tensors of chiral surfaces. <i>Physical Review B</i> , 1997, 55, R1985-R1988.	1.1	64
45	Novel superparamagnetic Core(Shell) nanoparticles for magnetic targeted drug delivery and hyperthermia treatment. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 4194-4196.	1.2	62
46	Second-Order Nonlinear Optical Properties of Highly Symmetric Chiral Thin Films. <i>Langmuir</i> , 2001, 17, 4685-4687.	1.6	61
47	Improved synthesis of N-alkyl substituted dithieno[3,2-b:2',3'-d]pyrroles. <i>Tetrahedron</i> , 2005, 61, 687-691.	1.0	61
48	Using the photothermal effect to improve membrane separations via localized heating. <i>Journal of Materials Chemistry</i> , 2011, 21, 6079.	6.7	61
49	Influence of the Substituent and Polymerization Methodology on the Properties of Chiral Poly(dithieno[3,2-b:2',3'-d]pyrrole)s. <i>Macromolecules</i> , 2007, 40, 4173-4181.	2.2	59
50	Molecular Symmetry and Solution-Phase Structure Interrogated by Hyper-Rayleigh Depolarization Measurements: Elaborating Highly Hyperpolarizable D_2 -Symmetric Chromophores. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2978-2981.	7.2	59
51	Three-Dimensional Characterization of Helical Silver Nanochains Mediated by Protein Assemblies. <i>Advanced Materials</i> , 2010, 22, 2193-2197.	11.1	59
52	Improving fluxes of polyimide membranes containing gold nanoparticles by photothermal heating. <i>Journal of Membrane Science</i> , 2011, 373, 5-13.	4.1	59
53	Electrooptic Properties of Side-Chain Polyimides with Exceptional Thermal Stabilities. <i>Macromolecules</i> , 1995, 28, 3005-3007.	2.2	58
54	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.	2.5	58

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55	Improving the flux of PDMS membranes via localized heating through incorporation of gold nanoparticles. <i>Journal of Membrane Science</i> , 2013, 428, 63-69.	4.1	58
56	Nonlinear Optical Properties of Correlated Chromophores in Organic Mesoscopic Superstructures. <i>Advanced Materials</i> , 1998, 10, 643-655.	11.1	57
57	Acid-Stable Magnetic Core-Shell Nanoparticles for the Separation of Rare Earths. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 15222-15229.	1.8	57
58	ZIF-8 as Nonlinear Optical Material: Influence of Structure and Synthesis. <i>Chemistry of Materials</i> , 2016, 28, 3203-3209.	3.2	57
59	Direct evidence of the failure of electric-dipole approximation in second-harmonic generation from a chiral polymer film. <i>Journal of Chemical Physics</i> , 1997, 107, 8201-8203.	1.2	56
60	Linearly polarized probes of surface chirality. <i>Journal of Chemical Physics</i> , 1995, 103, 8296-8298.	1.2	54
61	Fuzzy Assembly and Second Harmonic Generation of Clay/Polymer/Dye Monolayer Films. <i>Langmuir</i> , 2001, 17, 1243-1249.	1.6	54
62	Nonlinear Optical Properties of Thiolate-Protected Gold Clusters. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6221-6226.	1.5	54
63	Magnetic-plasmonic nanoparticles for the life sciences: calculated optical properties of hybrid structures. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 559-568.	1.7	53
64	Plasmon-Enhanced Sub-Wavelength Laser Ablation: Plasmonic Nanojets. <i>Advanced Materials</i> , 2012, 24, OP29-35.	11.1	53
65	Highly ordered films of neat calix[4]arenes for second order nonlinear optics. <i>Advanced Materials</i> , 1993, 5, 925-930.	11.1	51
66	The role of chiral local field enhancements below the resolution limit of Second Harmonic Generation microscopy. <i>Optics Express</i> , 2012, 20, 256.	1.7	51
67	Liquid Crystals from C ₃ -Symmetric Mesogens for Second-Order Nonlinear Optics. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4203-4206.	7.2	50
68	Mixed electric-magnetic second-order nonlinear optical response of helicenes. <i>Journal of Chemical Physics</i> , 2005, 122, 234713.	1.2	49
69	Chiral 1,1'-binaphthyl-based helical polymers as nonlinear optical materials. <i>Chemical Physics Letters</i> , 1999, 309, 315-320.	1.2	48
70	Influence of Monomer Optical Purity on the Conformation and Properties of Chiral, Donor-Embedded Polybinaphthalenes for Nonlinear Optical Purposes. <i>Chemistry of Materials</i> , 2005, 17, 118-121.	3.2	48
71	Transfer of Supramolecular Chirality in Block Copoly(thiophene)s. <i>Chemistry - A European Journal</i> , 2008, 14, 9122-9125.	1.7	48
72	CHIRAL MATERIALS IN SECOND-ORDER NONLINEAR OPTICS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 1999, 08, 171-189.	1.1	46

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73	High glass transition chromophore functionalised polyimides for second-order nonlinear optical applications. <i>Polymer</i> , 2001, 42, 3315-3322.	1.8	46
74	Influence of the Polymerization Methodology on the Regioregularity and Chiroptical Properties of Poly(alkylthiophene)s. <i>Macromolecules</i> , 2008, 41, 5123-5131.	2.2	46
75	Uniqueness of wave-plate measurements in determining the tensor components of second-order surface nonlinearities. <i>Physical Review B</i> , 1997, 55, 5021-5026.	1.1	45
76	Chromophore-functionalised polyimides with high-poling stabilities of the nonlinear optical effect at elevated temperature. <i>Polymer</i> , 2002, 43, 1581-1585.	1.8	45
77	Synthesis and Properties of New Chiral Donor-Embedded Polybinaphthalenes for Nonlinear Optical Applications. <i>Macromolecules</i> , 2004, 37, 8530-8537.	2.2	45
78	Linearly polarized second harmonic generation microscopy reveals chirality. <i>Optics Express</i> , 2010, 18, 8286.	1.7	44
79	Giant Faraday Rotation in Mesogenic Organic Molecules. <i>Chemistry of Materials</i> , 2013, 25, 1139-1143.	3.2	44
80	Synthesis of End-Group Functionalized P3HT: General Protocol for P3HT/Nanoparticle Hybrids. <i>Macromolecules</i> , 2013, 46, 8500-8508.	2.2	43
81	High glass transition chromophore functionalised poly(maleimide-styrene)s for second-order nonlinear optical applications. <i>Polymer</i> , 2000, 41, 6049-6054.	1.8	42
82	Precise measurements of Faraday rotation using ac magnetic fields. <i>American Journal of Physics</i> , 2008, 76, 626-629.	0.3	42
83	Hotspot Decorations Map Plasmonic Patterns with the Resolution of Scanning Probe Techniques. <i>Physical Review Letters</i> , 2011, 106, 226803.	2.9	41
84	Conformational Transitions in Chiral, Gallic Acid-Functionalized Poly(dithienopyrrole): A Comparative UV-vis and CD Study. <i>Macromolecules</i> , 2008, 41, 5582-5589.	2.2	40
85	β -Type Regioregular Oligothiophenes: Synthesis and Second-Order NLO Properties. <i>Journal of Organic Chemistry</i> , 2007, 72, 5855-5858.	1.7	39
86	Electro-optic response of chiral helicenes in isotropic media. <i>Journal of Chemical Physics</i> , 1998, 108, 1301-1304.	1.2	38
87	Influence of the Substitution Pattern on the Chiroptical Properties of Regioregular Poly(3-alkoxythiophene)s. <i>Macromolecules</i> , 2008, 41, 1041-1044.	2.2	38
88	Tensor analysis of the second-order nonlinear optical susceptibility of chiral anisotropic thin films. <i>Journal of Chemical Physics</i> , 2000, 112, 1497-1502.	1.2	37
89	Synthesis and properties of chiral helical chromophore-functionalised polybinaphthalenes for second-order nonlinear optical applications. <i>Polymer</i> , 2003, 44, 3785-3794.	1.8	36
90	Optical activity effects in second harmonic generation from anisotropic chiral thin films. <i>Journal of Chemical Physics</i> , 2000, 113, 7578-7581.	1.2	35

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91	Uâ€šshaped Switches for Optical Information Processing at the Nanoscale. <i>Small</i> , 2011, 7, 2573-2576.	5.2	35
92	Point Group Symmetry Determination via Observables Revealed by Polarized Second-Harmonic Generation Microscopy: (1) Theory. <i>Analytical Chemistry</i> , 2012, 84, 6378-6385.	3.2	34
93	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.	4.1	33
94	Chiroptical Properties of Cyclopentadithiophene-Based Conjugated Polymers. <i>Macromolecules</i> , 2008, 41, 591-598.	2.2	32
95	Synthesis and Characterization of Holmium-Doped Iron Oxide Nanoparticles. <i>Materials</i> , 2014, 7, 1155-1164.	1.3	32
96	Synthesis and nonlinear optical properties of high glass transition polyimides. <i>Macromolecular Chemistry and Physics</i> , 1999, 200, 2629-2635.	1.1	31
97	Synthesis and Properties of Polydithieno[3,2-b:2â€²,3â€²-d]pyrroles: A Class of Soluble (Chiral) Conjugated Polymers with a Stable Oxidized State. <i>Macromolecules</i> , 2005, 38, 4545-4547.	2.2	31
98	Silver nanoparticles as localized â€œnano-heatersâ€ under LED light irradiation to improve membrane performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3182.	5.2	31
99	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.	1.5	31
100	Symmetry breaking in ligand-protected gold clusters probed by nonlinear optics. <i>Nanoscale</i> , 2016, 8, 12123-12127.	2.8	31
101	Influence of the Substituent on the Chiroptical Properties of Poly(thieno[3,2- <i>b</i>]thiophene)s. <i>Macromolecules</i> , 2008, 41, 568-578.	2.2	30
102	Heterobifunctional PEG Ligands for Bioconjugation Reactions on Iron Oxide Nanoparticles. <i>PLoS ONE</i> , 2014, 9, e109475.	1.1	30
103	Second-order nonlinear optical properties of a chromophore-functionalized polypeptide. <i>Advanced Materials</i> , 1996, 8, 756-759.	11.1	29
104	Theoretical investigation on bridged triarylamine helicenes: UV/visible and circular dichroism spectra. <i>Chemical Physics Letters</i> , 2007, 439, 213-218.	1.2	29
105	Distributing the Optical Near-Field for Efficient Field-Enhancements in Nanostructures. <i>Advanced Materials</i> , 2012, 24, OP208-15, OP272.	11.1	29
106	Anisotropy versus circular dichroism in second harmonic generation from fourfold symmetric arrays of G-shaped nanostructures. <i>Physical Review B</i> , 2014, 89, .	1.1	29
107	Morphology and structure of ZIF-8 during crystallisation measured by dynamic angle-resolved second harmonic scattering. <i>Nature Communications</i> , 2018, 9, 3418.	5.8	29
108	Novel Chromophore-Functionalized Poly[2-(trifluoromethyl) adamantyl acrylate-methyl vinyl urethane]s with High Poling Stabilities of the Nonlinear Optical Effect. <i>Macromolecular Rapid Communications</i> , 2003, 24, 841-846.	2.0	28

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109	Influence of the Position of the Connecting Spacer of the Chromophore on the Nonlinear Optical Response. <i>Macromolecular Rapid Communications</i> , 2007, 28, 942-947.	2.0	28
110	Localization of p-Nitroaniline Chains Inside Zeolite ZSM-5 with Second-Harmonic Generation Microscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 6630-6631.	6.6	28
111	Steering the Conformation and Chiroptical Properties of Poly(dithienopyrrole)s Substituted with Chiral OPV Side Chains.. <i>Macromolecules</i> , 2010, 43, 2157-2168.	2.2	28
112	Poly(3-alkylthiophene)s show unexpected second-order nonlinear optical response. <i>Chemical Communications</i> , 2014, 50, 2741-2743.	2.2	28
113	Synthesis and Properties of Chiral Chromophore-Functionalized Polybinaphthalenes for Nonlinear Optics: Influence of Chromophore Concentration. <i>Macromolecules</i> , 2003, 36, 9736-9741.	2.2	27
114	A Chiroptical Study of Chiral $\hat{\iota}$ - and X- Type Oligothiophenes Toward Modelling the Interchain Interactions of Chiral Conjugated Polymers. <i>Chemistry of Materials</i> , 2008, 20, 2133-2143.	3.2	27
115	Conformational Steering in Substituted Poly(3,6-phenanthrene)s: A Linear and Nonlinear Optical Study. <i>Macromolecules</i> , 2009, 42, 4282-4287.	2.2	27
116	Third-Harmonic Scattering for Fast and Sensitive Screening of the Second Hyperpolarizability in Solution. <i>Analytical Chemistry</i> , 2017, 89, 2964-2971.	3.2	26
117	Optical activity of anisotropic achiral surfaces. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 451.	0.9	25
118	Influence of the Presence and Length of an Alkyl Spacer on the Supramolecular Chirality of Block Copoly(thiophene)s. <i>Macromolecules</i> , 2011, 44, 728-735.	2.2	25
119	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.	1.9	25
120	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.	0.9	25
121	Chirality in surface nonlinear optics. <i>Optical Materials</i> , 1998, 9, 286-294.	1.7	24
122	Orientation of Nonlinear Optical Active Dyes in Electrostatically Self-Assembled Polymer Films Containing Cyclodextrins. <i>Macromolecules</i> , 2000, 33, 9471-9473.	2.2	24
123	Synthesis and nonlinear optical properties of linear and $\hat{\iota}$ -shaped pyranone-based chromophores. <i>Tetrahedron</i> , 2008, 64, 3772-3781.	1.0	24
124	Si passivation for Ge pMOSFETs: Impact of Si cap growth conditions. <i>Solid-State Electronics</i> , 2011, 60, 116-121.	0.8	24
125	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.	4.8	24
126	Novel synthesis of superparamagnetic plasmonic core-shell iron oxide-gold nanoparticles. <i>Physica B: Condensed Matter</i> , 2019, 560, 85-90.	1.3	24

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127	Triphenylcarbinol Derivatives as Molecules for Second-Order Nonlinear Optics. <i>Chemistry of Materials</i> , 1994, 6, 412-417.	3.2	23
128	Second-Harmonic Generation from Floating Monolayers and Langmuir-Blodgett Multilayers of Poly(isocyanide)s. <i>Macromolecules</i> , 1996, 29, 4876-4879.	2.2	23
129	Light-Polarization-Induced Optical Activity. <i>Physical Review Letters</i> , 1999, 82, 3601-3604.	2.9	23
130	Beneficial effect of heating on the morphology and second-order nonlinear optical efficiency of anisotropic thin films. <i>Chemical Physics Letters</i> , 2000, 323, 340-344.	1.2	23
131	Chirality in nonlinear-optical response of planar G-shaped nanostructures. <i>Optics Express</i> , 2012, 20, 8518.	1.7	23
132	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.	1.3	23
133	Parametric light scattering. <i>Journal of Chemical Physics</i> , 1994, 101, 1745-1747.	1.2	22
134	Synthesis and nonlinear optical properties of high glass transition poly(maleimide-4-phenylstyrene)s. <i>Macromolecular Rapid Communications</i> , 1998, 19, 349-352.	2.0	22
135	Second-Order Nonlinear Optics Based on Chiral Materials. <i>Optics and Photonics News</i> , 2000, 11, 24.	0.4	22
136	A Joint Theoretical-Experimental Investigation of the Faraday Effect in Benzene, Toluene, and p-Xylene. <i>ChemPhysChem</i> , 2006, 7, 1654-1656.	1.0	22
137	Differential detection for measurements of Faraday rotation by means of ac magnetic fields. <i>European Journal of Physics</i> , 2008, 29, 1099-1104.	0.3	22
138	Faraday rotation and its dispersion in the visible region for saturated organic liquids. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1860.	1.3	22
139	Probing microporous materials with second-harmonic generation. <i>Microporous and Mesoporous Materials</i> , 2013, 166, 102-108.	2.2	22
140	Regioregular Poly[3-(4-alkoxyphenyl)thiophene]s: Evidence for a Two-Step Aggregation Process. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1132-1136.	2.0	21
141	Improving the performance of pervaporation membranes via localized heating through incorporation of silver nanoparticles. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15031.	5.2	21
142	Orientational changes of supported chiral 2,2'-dihydroxy-1,1'-binaphthyl molecules. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7299-7306.	1.3	21
143	Characterization of magnetization-induced second harmonic generation in iron oxide polymer nanocomposites. <i>Applied Optics</i> , 2012, 51, 209.	0.9	20
144	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.	1.5	20

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145	Preparation of Langmuir-Blodgett Mono- and Multilayers of Copolymers of Isocyanides with NLO-Active Side Chains. Effect of a Spacer Group between the NLO Chromophore and the Polymer Backbone. <i>Macromolecules</i> , 1996, 29, 4871-4875.	2.2	19
146	Nonlinear optical active poly(adamantyl methacrylate-methyl vinyl urethane)s functionalised with phenyltetraene-bridged chromophore. <i>Polymer</i> , 2004, 45, 19-24.	1.8	19
147	Polar Order in Spin-Coated Films of a Regioregular Chiral Poly[(S)-3-(3,7-dimethyloctyl)thiophene]. <i>Advanced Materials</i> , 2005, 17, 708-712.	11.1	19
148	Second harmonic generation microscopy reveals hidden polar organization in fluoride doped MIL-53(Fe). <i>Dalton Transactions</i> , 2016, 45, 4401-4406.	1.6	19
149	Evaporation rate-based selection of supramolecular chirality. <i>Chemical Communications</i> , 2017, 53, 3066-3069.	2.2	19
150	Resonance Enhancement of Nonlinear Optical Scattering in Monolayer-Protected Gold Clusters. <i>Journal of the American Chemical Society</i> , 2017, 139, 14853-14856.	6.6	19
151	Effect of operational parameters on the performance of a magnetic responsive biocatalytic membrane reactor. <i>Chemical Engineering Journal</i> , 2017, 308, 853-862.	6.6	19
152	In Situ Orientation-Sensitive Observation of Molecular Adsorption on a Liquid/Zeolite Interface by Second-Harmonic Generation. <i>Langmuir</i> , 2009, 25, 4256-4261.	1.6	18
153	Coherent and incoherent second harmonic generation in planar G-shaped nanostructures. <i>Optics Letters</i> , 2011, 36, 3681.	1.7	18
154	Comparison of Two Synthesis Routes to Obtain Gold Nanoparticles in Polyimide. <i>Journal of Physical Chemistry C</i> , 2012, 116, 115-125.	1.5	18
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