

Thierry Verbiest

List of Publications by Year in descending order

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343
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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.	21.0	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.	6.7	307
5	Exceptionally Thermally Stable Polyimides for Second-Order Nonlinear Optical Applications. Science, 1995, 268, 1604-1606.	12.6	242
6	Plasmonic Ratchet Wheels: Switching Circular Dichroism by Arranging Chiral Nanostructures. Nano Letters, 2009, 9, 3945-3948.	9.1	220
7	Investigations of the Hyperpolarizability in Organic Molecules from Dipolar to Octopolar Systems. Journal of the American Chemical Society, 1994, 116, 9320-9323.	13.7	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.	13.7	196
9	Large second-order optical polarizabilities in mixed-valency metal complexes. Nature, 1993, 363, 58-60.	27.8	188
10	Supramolecular Second-Order Nonlinearity of Polymers with Orientationally Correlated Chromophores. Science, 1995, 270, 966-969.	12.6	180
11	Improved functionalization of oleic acid-coated iron oxide nanoparticles for biomedical applications. Journal of Nanoparticle Research, 2012, 14, 1100.	1.9	169
12	Asymmetric Optical Second-Harmonic Generation from Chiral G -Shaped Gold Nanostructures. Physical Review Letters, 2010, 104, 127401.	7.8	153
13	Nonlinear Optical Properties of Proteins Measured by Hyper-Rayleigh Scattering in Solution. Science, 1993, 262, 1419-1422.	12.6	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.	8.0	148
15	Second-harmonic generation from chiral surfaces. Journal of Chemical Physics, 1994, 101, 8193-8199.	3.0	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.	13.7	139
17	Fast and accurate peanut allergen detection with nanobead enhanced optical fiber SPR biosensor. Talanta, 2011, 83, 1436-1441.	5.5	134
18	Second-order non-linear optical polymers. Macromolecular Rapid Communications, 2000, 21, 1-15.	3.9	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.	13.7	125
20	Incorporation of Different End Groups in Conjugated Polymers Using Functional Nickel Initiators. <i>Macromolecules</i> , 2009, 42, 7638-7641.	4.8	122
21	Second-order nonlinear optical properties of chiral materials. <i>Materials Science and Engineering Reports</i> , 2003, 42, 115-155.	31.8	120
22	Nonlinear Superchiral Meta-surfaces: Tuning Chirality and Disentangling Non-Reciprocity at the Nanoscale. <i>Advanced Materials</i> , 2014, 26, 4074-4081.	21.0	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.	13.7	115
24	Controlled partial interpenetration in metal-organic frameworks. <i>Nature Chemistry</i> , 2016, 8, 250-257.	13.6	113
25	Resolving enantiomers using the optical angular momentum of twisted light. <i>Science Advances</i> , 2016, 2, e1501349.	10.3	110
26	Optical Activity of Anisotropic Achiral Surfaces. <i>Physical Review Letters</i> , 1996, 77, 1456-1459.	7.8	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.	4.8	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.	13.8	98
29	Interactions of twisted light with chiral molecules: An experimental investigation. <i>Physical Review A</i> , 2005, 71, .	2.5	97
30	Nonlinear Optical Activity and Biomolecular Chirality. <i>Journal of the American Chemical Society</i> , 1994, 116, 9203-9205.	13.7	96
31	Determination of the hyperpolarizability of an octopolar molecular ion by hyper-Rayleigh scattering. <i>Optics Letters</i> , 1993, 18, 525.	3.3	90
32	Regioregular Poly(3-alkoxythiophene)s: Toward Soluble, Chiral Conjugated Polymers with a Stable Oxidized State. <i>Macromolecules</i> , 2005, 38, 5554-5559.	4.8	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.	13.7	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.	3.5	77
36	Second-order nonlinear optical signatures of surface chirality. <i>Journal of Modern Optics</i> , 1998, 45, 403-423.	1.3	76

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37	Plasmons Reveal the Direction of Magnetization in Nickel Nanostructures. <i>ACS Nano</i> , 2011, 5, 91-96.	14.6	76
38	Expression of Supramolecular Chirality in Block Copoly(thiophene)s. <i>Macromolecules</i> , 2010, 43, 3794-3800.	4.8	75
39	Versatile ferrofluids based on polyethylene glycol coated iron oxide nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 1919-1925.	2.3	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.	3.0	69
41	End Group-Functionalization and Synthesis of Block-Copolythiophenes by Modified Nickel Initiators. <i>Macromolecules</i> , 2011, 44, 6017-6025.	4.8	69
42	Chiral effects in the second-order optical nonlinearity of a poly(isocyanide) monolayer. <i>Advanced Materials</i> , 1995, 7, 641-644.	21.0	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.	3.9	65
44	Quantitative determination of electric and magnetic second-order susceptibility tensors of chiral surfaces. <i>Physical Review B</i> , 1997, 55, R1985-R1988.	3.2	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.	2.1	62
46	Second-Order Nonlinear Optical Properties of Highly Symmetric Chiral Thin Films. <i>Langmuir</i> , 2001, 17, 4685-4687.	3.5	61
47	Improved synthesis of N-alkyl substituted dithieno[3,2-b:2',3'-d]pyrroles. <i>Tetrahedron</i> , 2005, 61, 687-691.	1.9	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.	4.8	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.	13.8	59
51	Three-Dimensional Characterization of Helical Silver Nanochains Mediated by Protein Assemblies. <i>Advanced Materials</i> , 2010, 22, 2193-2197.	21.0	59
52	Improving fluxes of polyimide membranes containing gold nanoparticles by photothermal heating. <i>Journal of Membrane Science</i> , 2011, 373, 5-13.	8.2	59
53	Electrooptic Properties of Side-Chain Polyimides with Exceptional Thermal Stabilities. <i>Macromolecules</i> , 1995, 28, 3005-3007.	4.8	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.	2.3	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.	8.2	58
56	Nonlinear Optical Properties of Correlated Chromophores in Organic Mesoscopic Superstructures. <i>Advanced Materials</i> , 1998, 10, 643-655.	21.0	57
57	Acid-Stable Magnetic Core-Shell Nanoparticles for the Separation of Rare Earths. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 15222-15229.	3.7	57
58	ZIF-8 as Nonlinear Optical Material: Influence of Structure and Synthesis. <i>Chemistry of Materials</i> , 2016, 28, 3203-3209.	6.7	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.	3.0	56
60	Linearly polarized probes of surface chirality. <i>Journal of Chemical Physics</i> , 1995, 103, 8296-8298.	3.0	54
61	Fuzzy Assembly and Second Harmonic Generation of Clay/Polymer/Dye Monolayer Films. <i>Langmuir</i> , 2001, 17, 1243-1249.	3.5	54
62	Nonlinear Optical Properties of Thiolate-Protected Gold Clusters. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6221-6226.	3.1	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.	3.3	53
64	Plasmon-Enhanced Sub-Wavelength Laser Ablation: Plasmonic Nanojets. <i>Advanced Materials</i> , 2012, 24, OP29-35.	21.0	53
65	Highly ordered films of neat calix[4]arenes for second order nonlinear optics. <i>Advanced Materials</i> , 1993, 5, 925-930.	21.0	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.	3.4	51
67	Liquid Crystals from C ₃ -Symmetric Mesogens for Second-Order Nonlinear Optics. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4203-4206.	13.8	50
68	Mixed electric-magnetic second-order nonlinear optical response of helicenes. <i>Journal of Chemical Physics</i> , 2005, 122, 234713.	3.0	49
69	Chiral 1,1'-binaphthyl-based helical polymers as nonlinear optical materials. <i>Chemical Physics Letters</i> , 1999, 309, 315-320.	2.6	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.	6.7	48
71	Transfer of Supramolecular Chirality in Block Copoly(thiophene)s. <i>Chemistry - A European Journal</i> , 2008, 14, 9122-9125.	3.3	48
72	CHIRAL MATERIALS IN SECOND-ORDER NONLINEAR OPTICS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 1999, 08, 171-189.	1.8	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.	3.8	46
74	Influence of the Polymerization Methodology on the Regioregularity and Chiroptical Properties of Poly(alkylthiophene)s. <i>Macromolecules</i> , 2008, 41, 5123-5131.	4.8	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.	3.2	45
76	Chromophore-functionalised polyimides with high-poling stabilities of the nonlinear optical effect at elevated temperature. <i>Polymer</i> , 2002, 43, 1581-1585.	3.8	45
77	Synthesis and Properties of New Chiral Donor-Embedded Polybinaphthalenes for Nonlinear Optical Applications. <i>Macromolecules</i> , 2004, 37, 8530-8537.	4.8	45
78	Linearly polarized second harmonic generation microscopy reveals chirality. <i>Optics Express</i> , 2010, 18, 8286.	3.4	44
79	Giant Faraday Rotation in Mesogenic Organic Molecules. <i>Chemistry of Materials</i> , 2013, 25, 1139-1143.	6.7	44
80	Synthesis of End-Group Functionalized P3HT: General Protocol for P3HT/Nanoparticle Hybrids. <i>Macromolecules</i> , 2013, 46, 8500-8508.	4.8	43
81	High glass transition chromophore functionalised poly(maleimide-styrene)s for second-order nonlinear optical applications. <i>Polymer</i> , 2000, 41, 6049-6054.	3.8	42
82	Precise measurements of Faraday rotation using ac magnetic fields. <i>American Journal of Physics</i> , 2008, 76, 626-629.	0.7	42
83	Hotspot Decorations Map Plasmonic Patterns with the Resolution of Scanning Probe Techniques. <i>Physical Review Letters</i> , 2011, 106, 226803.	7.8	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.	4.8	40
85	β -Type Regioregular Oligothiophenes: Synthesis and Second-Order NLO Properties. <i>Journal of Organic Chemistry</i> , 2007, 72, 5855-5858.	3.2	39
86	Electro-optic response of chiral helicenes in isotropic media. <i>Journal of Chemical Physics</i> , 1998, 108, 1301-1304.	3.0	38
87	Influence of the Substitution Pattern on the Chiroptical Properties of Regioregular Poly(3-alkoxythiophene)s. <i>Macromolecules</i> , 2008, 41, 1041-1044.	4.8	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.	3.0	37
89	Synthesis and properties of chiral helical chromophore-functionalised polybinaphthalenes for second-order nonlinear optical applications. <i>Polymer</i> , 2003, 44, 3785-3794.	3.8	36
90	Optical activity effects in second harmonic generation from anisotropic chiral thin films. <i>Journal of Chemical Physics</i> , 2000, 113, 7578-7581.	3.0	35

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91	Uâ€Š-shaped Switches for Optical Information Processing at the Nanoscale. <i>Small</i> , 2011, 7, 2573-2576.	10.0	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.	6.5	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.	8.2	33
94	Chiroptical Properties of Cyclopentadithiophene-Based Conjugated Polymers. <i>Macromolecules</i> , 2008, 41, 591-598.	4.8	32
95	Synthesis and Characterization of Holmium-Doped Iron Oxide Nanoparticles. <i>Materials</i> , 2014, 7, 1155-1164.	2.9	32
96	Synthesis and nonlinear optical properties of high glass transition polyimides. <i>Macromolecular Chemistry and Physics</i> , 1999, 200, 2629-2635.	2.2	31
97	Synthesis and Properties of Polydithieno[3,2-b:2â€™,3â€™-d]pyrroles: A Class of Soluble (Chiral) Conjugated Polymers with a Stable Oxidized State. <i>Macromolecules</i> , 2005, 38, 4545-4547.	4.8	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.	10.3	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.	3.1	31
100	Symmetry breaking in ligand-protected gold clusters probed by nonlinear optics. <i>Nanoscale</i> , 2016, 8, 12123-12127.	5.6	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.	4.8	30
102	Heterobifunctional PEG Ligands for Bioconjugation Reactions on Iron Oxide Nanoparticles. <i>PLoS ONE</i> , 2014, 9, e109475.	2.5	30
103	Second-order nonlinear optical properties of a chromophore-functionalized polypeptide. <i>Advanced Materials</i> , 1996, 8, 756-759.	21.0	29
104	Theoretical investigation on bridged triarylamine helicenes: UV/visible and circular dichroism spectra. <i>Chemical Physics Letters</i> , 2007, 439, 213-218.	2.6	29
105	Distributing the Optical Near-Field for Efficient Field-Enhancements in Nanostructures. <i>Advanced Materials</i> , 2012, 24, OP208-15, OP272.	21.0	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, .	3.2	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.	12.8	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.	3.9	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.	3.9	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.	13.7	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.	4.8	28
112	Poly(3-alkylthiophene)s show unexpected second-order nonlinear optical response. <i>Chemical Communications</i> , 2014, 50, 2741-2743.	4.1	28
113	Synthesis and Properties of Chiral Chromophore-Functionalized Polybinaphthalenes for Nonlinear Optics: Influence of Chromophore Concentration. <i>Macromolecules</i> , 2003, 36, 9736-9741.	4.8	27
114	A Chiroptical Study of Chiral $\hat{\nu}$ - and X- Type Oligothiophenes Toward Modelling the Interchain Interactions of Chiral Conjugated Polymers. <i>Chemistry of Materials</i> , 2008, 20, 2133-2143.	6.7	27
115	Conformational Steering in Substituted Poly(3,6-phenanthrene)s: A Linear and Nonlinear Optical Study. <i>Macromolecules</i> , 2009, 42, 4282-4287.	4.8	27
116	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
117	Optical activity of anisotropic achiral surfaces. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 451.	2.1	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.	4.8	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.	4.0	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.	2.1	25
121	Chirality in surface nonlinear optics. <i>Optical Materials</i> , 1998, 9, 286-294.	3.6	24
122	Orientation of Nonlinear Optical Active Dyes in Electrostatically Self-Assembled Polymer Films Containing Cyclodextrins. <i>Macromolecules</i> , 2000, 33, 9471-9473.	4.8	24
123	Synthesis and nonlinear optical properties of linear and $\hat{\nu}$ -shaped pyranone-based chromophores. <i>Tetrahedron</i> , 2008, 64, 3772-3781.	1.9	24
124	Si passivation for Ge pMOSFETs: Impact of Si cap growth conditions. <i>Solid-State Electronics</i> , 2011, 60, 116-121.	1.4	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.	9.6	24
126	Novel synthesis of superparamagnetic plasmonic core-shell iron oxide-gold nanoparticles. <i>Physica B: Condensed Matter</i> , 2019, 560, 85-90.	2.7	24

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127	Triphenylcarbinol Derivatives as Molecules for Second-Order Nonlinear Optics. <i>Chemistry of Materials</i> , 1994, 6, 412-417.	6.7	23
128	Second-Harmonic Generation from Floating Monolayers and Langmuir-Blodgett Multilayers of Poly(isocyanide)s. <i>Macromolecules</i> , 1996, 29, 4876-4879.	4.8	23
129	Light-Polarization-Induced Optical Activity. <i>Physical Review Letters</i> , 1999, 82, 3601-3604.	7.8	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.	2.6	23
131	Chirality in nonlinear-optical response of planar G-shaped nanostructures. <i>Optics Express</i> , 2012, 20, 8518.	3.4	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.	2.6	23
133	Parametric light scattering. <i>Journal of Chemical Physics</i> , 1994, 101, 1745-1747.	3.0	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.	3.9	22
135	Second-Order Nonlinear Optics Based on Chiral Materials. <i>Optics and Photonics News</i> , 2000, 11, 24.	0.5	22
136	A Joint Theoretical-Experimental Investigation of the Faraday Effect in Benzene, Toluene, and p-Xylene. <i>ChemPhysChem</i> , 2006, 7, 1654-1656.	2.1	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.	0.6	22
138	Faraday rotation and its dispersion in the visible region for saturated organic liquids. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1860.	2.8	22
139	Probing microporous materials with second-harmonic generation. <i>Microporous and Mesoporous Materials</i> , 2013, 166, 102-108.	4.4	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.	3.9	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.	10.3	21
142	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
143	Characterization of magnetization-induced second harmonic generation in iron oxide polymer nanocomposites. <i>Applied Optics</i> , 2012, 51, 209.	1.8	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.	3.1	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.	4.8	19
146	Nonlinear optical active poly(adamantyl methacrylate-methyl vinyl urethane)s functionalised with phenyltetraene-bridged chromophore. <i>Polymer</i> , 2004, 45, 19-24.	3.8	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.	21.0	19
148	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
149	Evaporation rate-based selection of supramolecular chirality. <i>Chemical Communications</i> , 2017, 53, 3066-3069.	4.1	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.	13.7	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.	12.7	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.	3.5	18
153	Coherent and incoherent second harmonic generation in planar G-shaped nanostructures. <i>Optics Letters</i> , 2011, 36, 3681.	3.3	18
154	Comparison of Two Synthesis Routes to Obtain Gold Nanoparticles in Polyimide. <i>Journal of Physical Chemistry C</i> , 2012, 116, 115-125.	3.1	18
155	All Optical Determination of Microscopic and Macroscopic Structure of Chiral, Polar Microcrystals from Achiral, Nonpolar Molecules. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12219-12225.	3.1	18
156	Nanostripe length dependence of plasmon-induced material deformations. <i>Optics Letters</i> , 2013, 38, 2256.	3.3	18
157	Record-high hyperpolarizabilities in conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4533-4538.	5.5	18
158	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
159	Point Group Symmetry Determination via Observables Revealed by Polarized Second-Harmonic Generation Microscopy: (2) Applications. <i>Analytical Chemistry</i> , 2012, 84, 6386-6390.	6.5	17
160	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
161	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
162	Nonlinear optical study of helicenebisquinones. <i>Synthetic Metals</i> , 2000, 115, 201-205.	3.9	16

#	ARTICLE	IF	CITATIONS
163	Polymer materials for second-order non-linear optical applications. <i>Optical Materials</i> , 2003, 21, 67-70.	3.6	16
164	Poly(phenylquinoxalines) for second-order nonlinear optical applications. <i>Polymer</i> , 2005, 46, 1784-1795.	3.8	16
165	Optical Second Harmonic Generation Chiral Spectroscopy. <i>ChemPhysChem</i> , 2009, 10, 1431-1434.	2.1	16
166	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
167	Magneto-thermal 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
168	Synthesis and Properties of Chiral Donor-Embedded Polybinaphthalenes for Nonlinear Optical Applications. <i>Chemistry of Materials</i> , 2003, 15, 2870-2872.	6.7	15
169	Ni-catalyzed Polymerization of Poly(alkoxythiophene)s. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 328-335.	2.2	15
170	Chiral Thin Films of Metal Oxide. <i>Chemistry - A European Journal</i> , 2013, 19, 10295-10301.	3.3	15
171	Magneto-optical harmonic susceptometry of superparamagnetic materials. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	15
172	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
173	Chromophore functionalised maleimide copolymers with high poling stabilities of the nonlinear optical effect at elevated temperature. <i>Polymer</i> , 2001, 42, 8511-8516.	3.8	14
174	Oxidation of solid gold in chloroform solutions of cetyltrimethylammonium bromide. <i>Inorganic Chemistry Communication</i> , 2005, 8, 1075-1077.	3.9	14
175	Mapping of the organization of p-nitroaniline in SAPO-5 by second-harmonic generation microscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10688.	2.8	14
176	Synthesis, Chiroptical Behavior, and Sensing of Carboxylic Acid Functionalized Poly(phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	4.8	14
177	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
178	Tunability of Size and Magnetic Moment of Iron Oxide Nanoparticles Synthesized by Forced Hydrolysis. <i>Materials</i> , 2016, 9, 554.	2.9	14
179	Second-Order Nonlinear Optical Scattering Properties of Phosphine-Protected Au ₂₀ Clusters. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10500-10506.	3.7	14
180	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

#	ARTICLE	IF	CITATIONS
181	Nonlinear optical properties of spincoated films of chiral polythiophenes. <i>Chemical Physics Letters</i> , 2005, 404, 112-115.	2.6	13
182	Magnetic Properties of Substituted Poly(thiophene)s in Their Neutral State. <i>Macromolecules</i> , 2010, 43, 2910-2915.	4.8	13
183	Potential theranostic and multimodal iron oxide nanoparticles decorated with rheniumâ€“bipyridine and â€“phenanthroline complexes. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4370-4376.	5.8	13
184	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
185	â€“Single-â€“and â€“multi-coreâ€“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
186	Faraday Effect in Stacks of Aromatic Molecules. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15348-15352.	3.1	13
187	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
188	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
189	Orientation of functional groups in polyelectrolyte multilayers studied by second-harmonic generation (SHG). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 198-200, 275-280.	4.7	12
190	Laser ablation of gold in chloroform solutions of cetyltrimethylammoniumbromide. <i>Chemical Physics Letters</i> , 2003, 382, 650-653.	2.6	12
191	High glass transition temperature chromophore functionalised poly(phenylquinoxalines) for nonlinear optics. <i>European Polymer Journal</i> , 2003, 39, 969-976.	5.4	12
192	Efficient Faraday rotation in conjugated polymers. , 2006, 6331, 274.		12
193	Incorporation of a conjugated sideâ€“chain in regioregular polythiophenes: Chiroptical properties and selective oxidation. <i>Journal of Polymer Science Part A</i> , 2009, 47, 1891-1900.	2.3	12
194	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
195	A Nonlinear Optically Active Bismuthâ€“Camphorate Coordination Polymer. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2437-2443.	2.0	12
196	Nonlinear optical spectroscopy and two-photon excited fluorescence spectroscopy reveal the excited states of fluorophores embedded in a beetleâ€“elytra. <i>Interface Focus</i> , 2019, 9, 20180052.	3.0	12
197	Magnetic-dipole nonlinearities in chiral materials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 145, 113-115.	3.9	11
198	Poly(N-phenylmaleimide)- and poly(N-biphenylmaleimide)-urethanes, functionalised with NLO-phores for second-order nonlinear optical applications. <i>European Polymer Journal</i> , 2001, 37, 2419-2424.	5.4	11

#	ARTICLE	IF	CITATIONS
199	Chirality in Poly(phenylene-alt-bithiophene)s: A Comprehensive Study of Their Behavior in Film and Nonsolvents. <i>Macromolecules</i> , 2007, 40, 8142-8150.	4.8	11
200	Catechols as ligands for CdSe/ZnS quantum dots. <i>RSC Advances</i> , 2014, 4, 10208.	3.6	11
201	Synthesis and supramolecular organization of chiral poly(thiophene) magnetite hybrid nanoparticles. <i>Polymer Chemistry</i> , 2018, 9, 3029-3036.	3.9	11
202	Use of the Lognormal Distribution Function To Describe Orientational Relaxation in Optically Nonlinear Polymers. <i>Macromolecules</i> , 1996, 29, 6310-6316.	4.8	10
203	Circular-difference effects in second-harmonic generation from thin films. <i>Synthetic Metals</i> , 2001, 124, 191-193.	3.9	10
204	Broadband Nonreciprocal Quadrupolarization-Induced Asymmetric Transmission (QAT) in Plasmonic Nanoparticle Aggregates. <i>Advanced Materials</i> , 2015, 27, 2485-2488.	21.0	10
205	Tailoring atomic layer growth at the liquid-metal interface. <i>Nature Communications</i> , 2018, 9, 4889.	12.8	10
206	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
207	Linear and nonlinear optical effects in biophotonic structures using classical and nonclassical light. <i>Journal of Biophotonics</i> , 2019, 12, e201800262.	2.3	10
208	Films grown from polyamines and reactive dyes by alternating polyelectrolyte adsorption/surface activation (CoMPAS). <i>Materials Science and Engineering C</i> , 1999, 10, 107-113.	7.3	9
209	Chromophore-Functionalized Poly(ether sulfone)s with High Poling Stabilities of the Nonlinear Optical Effect. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 13-18.	2.2	9
210	Second Harmonic Generation in Core (Shell) Fe_2O_3 /(Au) Nanoparticles. <i>Solid State Phenomena</i> , 0, 152-153, 508-511.	0.3	9
211	Second Harmonic Generation Indicates a Better Si/Ge Interface Quality for Higher Temperature and With N_2 Rather Than With H_2 as the Carrier Gas. <i>IEEE Electron Device Letters</i> , 2011, 32, 12-14.	3.9	9
212	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
213	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
214	Selective protein purification by PEG-IDA-functionalized iron oxide nanoparticles. <i>RSC Advances</i> , 2015, 5, 66549-66553.	3.6	9
215	Two-Step Directional Surface Modification of Iron Oxide Nanoparticles with Protected Siloxanes. <i>ChemPlusChem</i> , 2015, 80, 50-53.	2.8	9
216	Development of a Layered Hybrid Nanocomposite Material Using β -Bifunctionalized Polythiophenes. <i>Macromolecules</i> , 2020, 53, 11098-11105.	4.8	9

#	ARTICLE	IF	CITATIONS
217	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
218	The use of the Wagner function to describe poled-order relaxation processes in electrooptic polymers. <i>Chemical Physics Letters</i> , 1995, 236, 253-258.	2.6	8
219	Nonlinear optical properties of chiral polymers. <i>Synthetic Metals</i> , 1996, 81, 117-120.	3.9	8
220	Second-harmonic generation-circular dichroism in thin films of a chiral poly(3-alkyl)thiophene. <i>Chemical Physics Letters</i> , 2007, 450, 76-79.	2.6	8
221	Functionalized poly(phenylene- <i>ethi</i> bithiophenes): Synthesis, chiroptical properties, and interaction with chiral amines. <i>Journal of Polymer Science Part A</i> , 2008, 46, 4817-4829.	2.3	8
222	Engineering colloidal photonic crystals with magnetic functionalities. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 339, 13-19.	4.7	8
223	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
224	Second harmonic generation in Langmuir-Blodgett films of preformed polymers. <i>Thin Solid Films</i> , 1992, 210-211, 188-190.	1.8	7
225	Anisotropic floating monolayers of 2-docosylamino-5-nitropyridine studied by second-harmonic generation. <i>Chemical Physics Letters</i> , 1996, 257, 285-288.	2.6	7
226	Donor-Embedded Polybinaphthalenes for Nonlinear Optical Applications: Influence of the Incorporation of a Double Bond. <i>Macromolecular Rapid Communications</i> , 2005, 26, 905-910.	3.9	7
227	Second-harmonic generation reveals the oxidation steps in semiconductor processing. <i>Journal of Applied Physics</i> , 2012, 111, 064504.	2.5	7
228	Sandwich Approach toward Inverse Opals with Linear and Nonlinear Optical Functionalities. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3870-3878.	8.0	7
229	Plasmonic heating using an easily recyclable Pd-functionalized Fe ₃ O ₄ /Au core-shell nanoparticle catalyst for the Suzuki and Sonogashira reaction. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5648.	3.5	7
230	Measurements of molecular hyperpolarizabilities using hyper-Rayleigh scattering. , 1993, 1775, 206.		6
231	Highly polarizable biaryl salts for liquid crystals and nonlinear optics: Synthesis and properties of a phenolpyridinium triflate. <i>Advanced Materials</i> , 1994, 6, 580-583.	21.0	6
232	Synthesis of Chiral Helical Chromophore-Functionalized Polybinaphthalenes. <i>Macromolecular Rapid Communications</i> , 2003, 24, 413-419.	3.9	6
233	Difference in the nonlinear optical response of epitaxial Si on Ge(100) grown from SiH ₄ at 500 °C and from SiH ₈ at 350 °C due to segregation of Ge. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	6
234	Changing the three-dimensional magnetization exchange coupling of mixed Fe and V nanoclusters with hydrogen. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	6

#	ARTICLE	IF	CITATIONS
235	Feature issue introduction: chirality in optics. <i>Optical Materials Express</i> , 2014, 4, 2663.	3.0	6
236	Ultrasonic Spray Coating as a Fast Alternative Technique for the Deposition of Hybrid Magneticâ€Plasmonic Nanocomposites. <i>Advanced Engineering Materials</i> , 2018, 20, 1800681.	3.5	6
237	The Importance of Excellent Ĩ€â€Œ 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
238	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
239	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
240	Second-order nonlinearity in mixed-valence metal chromophores. , 1994, , .		5
241	Nonlinear optical properties of polymeric materials and polymer films: Recent developments and future trends. <i>Macromolecular Symposia</i> , 1996, 102, 347-354.	0.7	5
242	Application of Chiral Symmetries in Even-Order Nonlinear Optics. <i>ACS Symposium Series</i> , 2002, , 145-156.	0.5	5
243	Second-order nonlinear optical properties of nanocrystalline maghemite particles. <i>Chemical Physics Letters</i> , 2003, 378, 101-104.	2.6	5
244	The Use of Secondâ€Harmonic Generation to Study Diffusion through Films under a Liquid Phase. <i>ChemPhysChem</i> , 2010, 11, 870-874.	2.1	5
245	Circular dichroism in optical second harmonic generated in reflection from chiral G-shaped metamaterials. <i>Journal of Physics: Conference Series</i> , 2012, 352, 012029.	0.4	5
246	Tunneling of holes is observed by second-harmonic generation. <i>Applied Physics Letters</i> , 2013, 102, 082104.	3.3	5
247	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
248	Magneto-optical activity in organic thin film materials. <i>Smart Materials and Structures</i> , 2016, 25, 12LT01.	3.5	5
249	Thin Films of Tolane Aggregates for Faraday Rotation: Materials and Measurement. <i>Coatings</i> , 2019, 9, 669.	2.6	5
250	Enhancement of Nonlinear Optical Scattering by Gold Nanoparticles through Aggregationâ€Induced Plasmon Coupling in the Nearâ€Infrared. <i>ChemPhysChem</i> , 2019, 20, 1765-1774.	2.1	5
251	Unraveling the Supramolecular Organization Mechanism of Chiral Star-Shaped Poly(3-alkylthiophene). <i>Macromolecules</i> , 2020, 53, 9513-9520.	4.8	5
252	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

#	ARTICLE	IF	CITATIONS
253	Nonlinear optical properties of polymers and thin polymer films. Makromolekulare Chemie Macromolecular Symposia, 1993, 69, 193-203.	0.6	4
254	Second-harmonic generation from floating Langmuir layers of an azobenzene-functionalized copolymer. Thin Solid Films, 1994, 242, 139-141.	1.8	4
255	Switchable Bragg gratings in photochromic-doped graded-index polymer optical fibers. , 2004, 5279, 77.		4
256	Unraveling molecular architecture inside zeolites with second-harmonic generation microscopy. Proceedings of SPIE, 2010, , .	0.8	4
257	Linearly polarized second harmonic generation microscopy reveals chirality: erratum. Optics Express, 2011, 19, 9242.	3.4	4
258	Focus Issue Introduction: Chiral Optical Materials. Optical Materials Express, 2011, 1, 3.	3.0	4
259	Photoelastic modulator non-idealities in magneto-optical polarization measurements. , 2013, , .		4
260	Vortex-Induced Harmonic Light Scattering of Porphyrin J-Aggregates. Journal of Physical Chemistry B, 2021, 125, 2690-2695.	2.6	4
261	A Spectroscopic Study on the Nonlinear Optical Susceptibilities of Organic Molecules. Acta Physica Polonica A, 2007, 112, 927-934.	0.5	4
262	Label-Free Imaging of Membrane Potentials by Intramembrane Field Modulation, Assessed by Second Harmonic Generation Microscopy. Small, 2022, 18, e2200205.	10.0	4
263	Chiral effects in second-order nonlinear optics. Molecular Crystals and Liquid Crystals, 1998, 315, 93-98.	0.3	3
264	Magnetic-dipole susceptibilities in electric-field induced second-harmonic generation. Optical Materials, 2003, 21, 7-10.	3.6	3
265	Two-step synthesis of high aspect ratio gold nanorods. Open Chemistry, 2006, 4, 160-165.	1.9	3
266	Theoretical Evaluation of the Faraday Effect in Organic Compounds. Computing Letters, 2007, 3, 193-200.	0.5	3
267	Faraday rotation in magnetic colloidal photonic crystals. , 2009, , .		3
268	Investigation of the conformation of hyperbranched poly(arylene oxindole)s using hyper-Rayleigh scattering. Journal of Polymer Science Part A, 2009, 47, 3740-3747.	2.3	3
269	Tuning the properties of colloidal magneto-photonic crystals by controlled infiltration with superparamagnetic magnetite nanoparticles. , 2012, , .		3
270	Ala-7, His-10 and Arg-12 are crucial amino acids for activity of a synthetically engineered $\frac{1}{4}$ -conotoxin. Peptides, 2014, 53, 300-306.	2.4	3

#	ARTICLE	IF	CITATIONS
271	Transferability of antibody pairs from ELISA to fiber optic surface plasmon resonance for infliximab detection. Proceedings of SPIE, 2015, , .	0.8	3
272	Unveiling the nonlinear optical response of Tricentenotoma childreni longhorn beetle. Journal of Biophotonics, 2019, 12, e201800470.	2.3	3
273	Synthesis of Poly(phenylene ethynylene) Using an Easily Recyclable Pd-Functionalized Magnetite Nanoparticle Catalyst. Macromolecules, 2020, 53, 1998-2005.	4.8	3
274	Ultrasmall iron oxide nanoparticles functionalized with BODIPY derivatives as potential bimodal probes for MRI and optical imaging. Nano Select, 2021, 2, 406-416.	3.7	3
275	Catechol as a Universal Linker for the Synthesis of Hybrid Polyfluorene/Nanoparticle Materials. Macromolecules, 2021, 54, 4582-4591.	4.8	3
276	Molecular dysprosium complexes for white-light and near-infrared emission controlled by the coordination environment. Journal of Luminescence, 2022, 243, 118646.	3.1	3
277	Spontaneous Symmetry Breaking: The Case of Crazy Clock and Beyond. Symmetry, 2022, 14, 413.	2.2	3
278	Synthesis and nonlinear optical properties of preformed polymers forming Langmuir-Blodgett films. , 1991, 1560, 353.		2
279	Magnetic field sensing based on Faraday rotation in inorganic/polymer hybrid materials. Proceedings of SPIE, 2009, , .	0.8	2
280	Second-harmonic generation as characterization tool for Ge/high-k dielectric interfaces. Proceedings of SPIE, 2012, , .	0.8	2
281	SHG/2PF microscopy of single and multi-layer graphene. , 2012, , .		2
282	Second-harmonic generation from complex chiral samples. Proceedings of SPIE, 2013, , .	0.8	2
283	Investigation of the second hyperpolarizability of Ru-alkynyl complexes by z-scan and nonlinear scattering. Proceedings of SPIE, 2016, , .	0.8	2
284	Supramolecular Enhancement of Second-Order Optical Nonlinearity. Optics and Photonics News, 1996, 7, 18.	0.5	1
285	Role of chiral symmetry in second-order nonlinear optical materials. , 1997, , .		1
286	Electrically tuneable bandpass filter based on electro-optic polymers. , 2002, , .		1
287	Chirally Organized Oligothiophenes: Towards Modeling Interchain Interactions Within π -Conjugated Systems. Chemistry - A European Journal, 2010, 16, 10963-10967.	3.3	1
288	Spontaneous chirality in an octupolar discotic crystal. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
289	Nonreciprocal silicon-organic nanophotonic structures. , 2011, , .		1
290	The origin of second harmonic generation hotspots in chiral optical metamaterials. , 2011, , .		1
291	Second harmonic hotspots at the edges of the unit cells in G-shaped gold nanostructures. Proceedings of SPIE, 2012, , .	0.8	1
292	Core-shell nanoparticles as enhanced probes for imaging applications. , 2012, , .		1
293	Fabrication of polymer inverse opals with linear and nonlinear optical functionalities using a sandwiching approach. , 2014, , .		1
294	Optical properties of magnetic-plasmonic nanoparticle multilayers. Proceedings of SPIE, 2014, , .	0.8	1
295	Optical second harmonic generation in a low-bandgap polymer. Materials Chemistry and Physics, 2014, 147, 356-359.	4.0	1
296	Intense Signal Modulation of Nonlinear Optical Scattering and Multiphoton Fluorescence by Ultrasound Irradiation. Journal of Physical Chemistry C, 2016, 120, 29382-29389.	3.1	1
297	Acoustic effects on nonlinear optical processes. Proceedings of SPIE, 2016, , .	0.8	1
298	Conformational Changes of a Surface-Tethered Polymer during Radical Growth Probed with Second-Harmonic Generation. Langmuir, 2017, 33, 4157-4163.	3.5	1
299	Chiral Side Groups Trigger Second Harmonic Generation Activity in 3D Octupolar Bipyrimidine-Based Organic Liquid Crystals. Angewandte Chemie, 2017, 129, 9674-9678.	2.0	1
300	Effect of poly(thiophene)s topology on their third-order nonlinear optical response. Polymer, 2021, 222, 123630.	3.8	1
301	A Study of Chirality in Gold Nanostructures with Second Harmonic Generation. Acta Physica Polonica A, 2009, 116, 498-500.	0.5	1
302	Chirality Effects in Second-Order Nonlinear Optics. , 1996, , 129-144.		1
303	Uncovering Hidden Dynamics of Natural Photonic Structures using Holographic Imaging. Journal of Visualized Experiments, 2022, , .	0.3	1
304	Nonlinear optical properties of bacteriorhodopsin. , 1993, 1853, 233.		0
305	Hyper-Rayleigh Scattering (Hrs) In Isotropic Media. Materials Research Society Symposia Proceedings, 1993, 328, 565.	0.1	0
306	Nonlinear optical activity induced by linearly and circularly polarized light. , 0, , .		0

#	ARTICLE	IF	CITATIONS
307	Enhancement of nonlinear optical properties through supramolecular chirality. , 0, , .		0
308	Polymers for second-order nonlinear optical applications. , 0, , .		0
309	Light-polarization-induced optical activity in second-harmonic generation from isotropic achiral films. , 0, , .		0
310	Direct evidence of the failure of electric-dipole approximation in second-order nonlinearity of a chiral polymer film. , 0, , .		0
311	Quasi-phase-matched frequency conversion in chiral structures. , 0, , .		0
312	Influence of heating and dipping technique on the morphology and second-order nonlinear optical efficiency of anisotropic thin films. , 2000, , .		0
313	Nonlinear molecular magneto-optics and chiral symmetries. , 2001, , .		0
314	Chiral materials in second-order nonlinear optics. , 2001, , .		0
315	Chiral chromophore-functionalized polybinaphthalenes for second-order nonlinear optics. , 2004, , .		0
316	Determining the values of second-order surface nonlinearities by measurements with wave plates of different retardations. Applied Optics, 2009, 48, 3030.	2.1	0
317	Conjugated polymers: a hyper-Rayleigh scattering study. Proceedings of SPIE, 2010, , .	0.8	0
318	Asymmetric second harmonic generation in chiral optical metamaterials. , 2010, , .		0
319	Unexpected second-order nonlinear optical effects in conjugated polymers. Proceedings of SPIE, 2011, , .	0.8	0
320	Spectral measurements to probe the magneto-optical properties of commonly used organic dyes. Proceedings of SPIE, 2012, , .	0.8	0
321	Robustness of the scanning second harmonic generation microscopy technique for characterization of hotspot patterns in plasmonic nanomaterials. , 2012, , .		0
322	Nonlinear optical properties of conjugated polymers. , 2012, , .		0
323	Switching Faraday rotation on a molecular level. , 2012, , .		0
324	Improved Flux Via Localized Heating of PDMS Membranes Containing Gold Nanoparticles. Procedia Engineering, 2012, 44, 1421.	1.2	0

#	ARTICLE	IF	CITATIONS
325	Plasmonics: Plasmon-Enhanced Sub-Wavelength Laser Ablation: Plasmonic Nanojets (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlo	21.0	0
326	Magneto-optical effects in clusters of superparamagnetic iron oxide and plasmonic gold nanoparticles. , 2013, , .		0
327	Sensorless adaptive optics and the effect of field of view in biological second harmonic generation microscopy. Proceedings of SPIE, 2014, , .	0.8	0
328	Second-harmonic generation microscopy of collagen-bearing structures. Proceedings of SPIE, 2014, , .	0.8	0
329	Large optical second harmonic generation in a low-bandgap polymer. , 2014, , .		0
330	Multifunctional iron oxide nanoparticles for biomedical applications. , 2015, , .		0
331	Giant faraday rotation in conjugated, rod-like molecules. , 2016, , .		0
332	The Development of Multimodal Nanoparticles for an Early Detection of Tumors. , 2017, , .		0
333	Visualization and characterization of metallo-aggregates using multi-photon microscopy. RSC Advances, 2021, 11, 657-661.	3.6	0
334	Exaltation du signal de gÃ©nÃ©ration de second harmonique sur des films chiraux anisotropes. European Physical Journal Special Topics, 2006, 135, 317-318.	0.2	0
335	Chirality Effects in Second-Order Nonlinear Optics. , 1998, , 259-273.		0
336	Mixed Electric-Magnetic Second Order Response of Helicenes. , 2019, , 769-770.		0
337	Influence of the degree of polymerization and surface curvature on the supramolecular organization of fixated polythiophenes. Polymer, 2022, , 124846.	3.8	0
338	Synthesis and nonlinear optical properties of high glass transition poly(maleimide-4-phenylstyrene)s. Macromolecular Rapid Communications, 1998, 19, 349-352.	3.9	0