

Thierry Verbiest

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

309
papers

10,365
citations

52
h-index

89
g-index

342
ext. papers

11,293
ext. citations

6.7
avg, IF

5.94
L-index

#	Paper	IF	Citations
309	Spontaneous Symmetry Breaking: The Case of Crazy Clock and Beyond. <i>Symmetry</i> , 2022 , 14, 413	2.7	1
308	Label-Free Imaging of Membrane Potentials by Intramembrane Field Modulation, Assessed by Second Harmonic Generation Microscopy.. <i>Small</i> , 2022 , e2200205	11	
307	Influence of the degree of polymerization and surface curvature on the supramolecular organization of fixated polythiophenes. <i>Polymer</i> , 2022 , 124846	3.9	
306	Molecular dysprosium complexes for white-light and near-infrared emission controlled by the coordination environment. <i>Journal of Luminescence</i> , 2021 , 243, 118646	3.8	0
305	Vortex-Induced Harmonic Light Scattering of Porphyrin J-Aggregates. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 2690-2695	3.4	3
304	Effect of poly(thiophene)s topology on their third-order nonlinear optical response. <i>Polymer</i> , 2021 , 222, 123630	3.9	1
303	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	6.3	2
302	Catechol as a Universal Linker for the Synthesis of Hybrid Polyfluorene/Nanoparticle Materials. <i>Macromolecules</i> , 2021 , 54, 4582-4591	5.5	3
301	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	3.1	1
300	Solvent Role in the Self-Assembly of Poly(3-alkylthiophene): A Harmonic Light Scattering Study. <i>Macromolecules</i> , 2021 , 54, 2477-2484	5.5	4
299	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 , 16, 8375-8389	7.3	1
298	Synthesis of Poly(phenylene ethynylene) Using an Easily Recyclable Pd-Functionalized Magnetite Nanoparticle Catalyst. <i>Macromolecules</i> , 2020 , 53, 1998-2005	5.5	2
297	The Importance of Excellent π -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	3.4	3
296	Unraveling the Supramolecular Organization Mechanism of Chiral Star-Shaped Poly(3-alkylthiophene). <i>Macromolecules</i> , 2020 , 53, 9513-9520	5.5	3
295	Advent of Plasmonic Behavior: Dynamically Tracking the Formation of Gold Nanoparticles through Nonlinear Spectroscopy. <i>Chemistry of Materials</i> , 2020 , 32, 7327-7337	9.6	2
294	Development of a Layered Hybrid Nanocomposite Material Using π -Bifunctionalized Polythiophenes. <i>Macromolecules</i> , 2020 , 53, 11098-11105	5.5	4
293	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	3.1	4

292	Visualization and characterization of metallo-aggregates using multi-photon microscopy.. <i>RSC Advances</i> , 2020 , 11, 657-661	3.7	
291	Magnetically induced Suzuki and Sonogashira reaction performed using recyclable, palladium-functionalized magnetite nanoparticles. <i>Journal of Organometallic Chemistry</i> , 2019 , 899, 120903	3.3	11
290	Unveiling the nonlinear optical response of <i>Trictenotoma childreni</i> longhorn beetle. <i>Journal of Biophotonics</i> , 2019 , 12, e201800470	3.1	1
289	Enhancement of Nonlinear Optical Scattering by Gold Nanoparticles through Aggregation-Induced Plasmon Coupling in the Near-Infrared. <i>ChemPhysChem</i> , 2019 , 20, 1765-1774	3.2	1
288	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	3.9	5
287	Faraday Rotation in Discotic Liquid Crystals by Long-Range Electron Movement. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 9382-9387	3.8	5
286	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	3.4	7
285	Novel synthesis of superparamagnetic plasmonic core-shell iron oxide-gold nanoparticles. <i>Physica B: Condensed Matter</i> , 2019 , 560, 85-90	2.8	15
284	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	2.3	7
283	Thin Films of Tolane Aggregates for Faraday Rotation: Materials and Measurement. <i>Coatings</i> , 2019 , 9, 669	2.9	3
282	Mixed Electric-Magnetic Second Order Response of Helicenes 2019 , 769-770		
281	Harmonic light scattering study reveals structured clusters upon the supramolecular aggregation of regioregular poly(3-alkylthiophene). <i>Communications Chemistry</i> , 2019 , 2,	6.3	13
280	Linear and nonlinear optical effects in biophotonic structures using classical and nonclassical light. <i>Journal of Biophotonics</i> , 2019 , 12, e201800262	3.1	6
279	A Nonlinear Optically Active Bismuth(III)amphorate Coordination Polymer. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 2437-2443	2.3	9
278	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	3.8	12
277	Synthesis and supramolecular organization of chiral poly(thiophene)@magnetite hybrid nanoparticles. <i>Polymer Chemistry</i> , 2018 , 9, 3029-3036	4.9	9
276	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	11	19
275	Morphology and structure of ZIF-8 during crystallisation measured by dynamic angle-resolved second harmonic scattering. <i>Nature Communications</i> , 2018 , 9, 3418	17.4	18

274	Tailoring atomic layer growth at the liquid-metal interface. <i>Nature Communications</i> , 2018 , 9, 4889	17.4	7
273	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	4
272	Evaporation rate-based selection of supramolecular chirality. <i>Chemical Communications</i> , 2017 , 53, 3066-3069	3.6	18
271	Third-Harmonic Scattering for Fast and Sensitive Screening of the Second Hyperpolarizability in Solution. <i>Analytical Chemistry</i> , 2017 , 89, 2964-2971	7.8	21
270	Conformational Changes of a Surface-Tethered Polymer during Radical Growth Probed with Second-Harmonic Generation. <i>Langmuir</i> , 2017 , 33, 4157-4163	4	1
269	Faraday Effect in Stacks of Aromatic Molecules. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 15348-15352	3.8	13
268	Fluorescence-Free Spectral Dispersion of the Molecular First Hyperpolarizability of Bacteriorhodopsin. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 6909-6915	3.8	5
267	Resonance Enhancement of Nonlinear Optical Scattering in Monolayer-Protected Gold Clusters. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14853-14856	16.4	12
266	Emergence of Nonlinear Optical Activity by Incorporation of a Linker Carrying the -Nitroaniline Motif in MIL-53 Frameworks. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 25509-25519	3.8	12
265	Chiral Side Groups Trigger Second Harmonic Generation Activity in 3D Octupolar Bipyrimidine-Based Organic Liquid Crystals. <i>Angewandte Chemie</i> , 2017 , 129, 9674-9678	3.6	
264	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	16.4	11
263	Effect of operational parameters on the performance of a magnetic responsive biocatalytic membrane reactor. <i>Chemical Engineering Journal</i> , 2017 , 308, 853-862	14.7	15
262	Resolving enantiomers using the optical angular momentum of twisted light. <i>Science Advances</i> , 2016 , 2, e1501349	14.3	67
261	Magneto-optical activity in organic thin film materials. <i>Smart Materials and Structures</i> , 2016 , 25, 12LT01	3.4	3
260	Acoustic effects on nonlinear optical processes 2016 ,		1
259	Controlled partial interpenetration in metal-organic frameworks. <i>Nature Chemistry</i> , 2016 , 8, 250-7	17.6	87
258	Second harmonic generation microscopy reveals hidden polar organization in fluoride doped MIL-53(Fe). <i>Dalton Transactions</i> , 2016 , 45, 4401-6	4.3	17
257	Tunability of Size and Magnetic Moment of Iron Oxide Nanoparticles Synthesized by Forced Hydrolysis. <i>Materials</i> , 2016 , 9,	3.5	12

256	Ultrasmall Superparamagnetic Iron Oxide Nanoparticles with Europium(III) DO3A as a Bimodal Imaging Probe. <i>Chemistry - A European Journal</i> , 2016 , 22, 4521-7	4.8	14
255	Intense Signal Modulation of Nonlinear Optical Scattering and Multiphoton Fluorescence by Ultrasound Irradiation. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 29382-29389	3.8	1
254	Symmetry breaking in ligand-protected gold clusters probed by nonlinear optics. <i>Nanoscale</i> , 2016 , 8, 12123-7	7.7	27
253	ZIF-8 as Nonlinear Optical Material: Influence of Structure and Synthesis. <i>Chemistry of Materials</i> , 2016 , 28, 3203-3209	9.6	46
252	Magnetothermal release of payload from iron oxide/silica drug delivery agents. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 416, 194-199	2.8	16
251	Second-Order Nonlinear Optical Scattering Properties of Phosphine-Protected Au ₂₀ Clusters. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 10500-10506	3.9	12
250	Investigation of the second hyperpolarizability of Ru-alkynyl complexes by z-scan and nonlinear scattering 2016 ,		2
249	Regioregularity Increases Second-Order Nonlinear Optical Response of Polythiophenes in Solution. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 18513-18517	3.8	9
248	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	9.6	30
247	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	5.8	12
246	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	3.8	28
245	Selective protein purification by PEGIDA-functionalized iron oxide nanoparticles. <i>RSC Advances</i> , 2015 , 5, 66549-66553	3.7	8
244	Two-Step Directional Surface Modification of Iron Oxide Nanoparticles with Protected Siloxanes. <i>ChemPlusChem</i> , 2015 , 80, 50-53	2.8	9
243	Broadband nonreciprocal quadrupolarization-induced asymmetric transmission (Q-AT) in plasmonic nanoparticle aggregates. <i>Advanced Materials</i> , 2015 , 27, 2485-8	24	8
242	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	7.3	11
241	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	5.5	11
240	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	2.3	11
239	Transferability of antibody pairs from ELISA to fiber optic surface plasmon resonance for infliximab detection 2015 ,		3

238	Nonlinear optical enhancement caused by a higher order multipole mode of metallic triangles. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1576-1581	7.1	8
237	Nonlinear Optical Properties of Thiolate-Protected Gold Clusters. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 6221-6226	3.8	50
236	Nonlinear superchiral meta-surfaces: tuning chirality and disentangling non-reciprocity at the nanoscale. <i>Advanced Materials</i> , 2014 , 26, 4074-81	24	97
235	Selective uptake of rare earths from aqueous solutions by EDTA-functionalized magnetic and nonmagnetic nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 4980-8	9.5	127
234	Silver nanoparticles as localized nano-heaters under LED light irradiation to improve membrane performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3182	13	25
233	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	3.8	2
232	Anisotropy versus circular dichroism in second harmonic generation from fourfold symmetric arrays of G-shaped nanostructures. <i>Physical Review B</i> , 2014 , 89,	3.3	20
231	Catechols as ligands for CdSe/ZnS quantum dots. <i>RSC Advances</i> , 2014 , 4, 10208	3.7	8
230	Poly(3-alkylthiophene)s show unexpected second-order nonlinear optical response. <i>Chemical Communications</i> , 2014 , 50, 2741-3	5.8	26
229	Orientalional changes of supported chiral 2,2'-dihydroxy-1,1'-binaphthyl molecules. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 7299-306	3.6	18
228	Chiral phase transfer and enantioenrichment of thiolate-protected Au clusters. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4129-32	16.4	99
227	Optical second harmonic generation in a low-bandgap polymer. <i>Materials Chemistry and Physics</i> , 2014 , 147, 356-359	4.4	1
226	Sandwich approach toward inverse opals with linear and nonlinear optical functionalities. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 3870-8	9.5	6
225	Record-high hyperpolarizabilities in conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4533-4538	12	
224	Acid-Stable Magnetic Core-Shell Nanoparticles for the Separation of Rare Earths. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 15222-15229	3.9	46
223	Ala-7, His-10 and Arg-12 are crucial amino acids for activity of a synthetically engineered Eonotoxin. <i>Peptides</i> , 2014 , 53, 300-6	3.8	2
222	Heterobifunctional PEG ligands for bioconjugation reactions on iron oxide nanoparticles. <i>PLoS ONE</i> , 2014 , 9, e109475	3.7	26
221	Synthesis and Characterization of Holmium-Doped Iron Oxide Nanoparticles. <i>Materials</i> , 2014 , 7, 1155-1164	15	27

220	Feature issue introduction: chirality in optics. <i>Optical Materials Express</i> , 2014 , 4, 2663	2.6	6
219	Fabrication of polymer inverse opals with linear and nonlinear optical functionalities using a sandwiching approach 2014 ,		1
218	Optical properties of magnetic-plasmonic nanoparticle multilayers 2014 ,		1
217	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	3.3	21
216	Giant Faraday Rotation in Mesogenic Organic Molecules. <i>Chemistry of Materials</i> , 2013 , 25, 1139-1143	9.6	35
215	Synthesis of End-Group Functionalized P3HT: General Protocol for P3HT/Nanoparticle Hybrids. <i>Macromolecules</i> , 2013 , 46, 8500-8508	5.5	40
214	Chiral thin films of metal oxide. <i>Chemistry - A European Journal</i> , 2013 , 19, 10295-301	4.8	11
213	Improving the performance of pervaporation membranes via localized heating through incorporation of silver nanoparticles. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 15031	13	19
212	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	9.6	227
211	Improving the flux of PDMS membranes via localized heating through incorporation of gold nanoparticles. <i>Journal of Membrane Science</i> , 2013 , 428, 63-69	9.6	49
210	Magneto-optical harmonic susceptometry of superparamagnetic materials. <i>Applied Physics Letters</i> , 2013 , 102, 161903	3.4	10
209	Chirality and chiroptical effects in plasmonic nanostructures: fundamentals, recent progress, and outlook. <i>Advanced Materials</i> , 2013 , 25, 2517-34	24	463
208	Probing microporous materials with second-harmonic generation. <i>Microporous and Mesoporous Materials</i> , 2013 , 166, 102-108	5.3	22
207	Second-harmonic generation from complex chiral samples 2013 ,		2
206	Nanostripe length dependence of plasmon-induced material deformations. <i>Optics Letters</i> , 2013 , 38, 2256-8	9.4	17
205	Photoelastic modulator non-idealities in magneto-optical polarization measurements 2013 ,		4
204	Tunneling of holes is observed by second-harmonic generation. <i>Applied Physics Letters</i> , 2013 , 102, 082104	9.4	3
203	Versatile ferrofluids based on polyethylene glycol coated iron oxide nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 1919-1925	2.8	59

202	Plasmon-enhanced sub-wavelength laser ablation: plasmonic nanojets. <i>Advanced Materials</i> , 2012 , 24, OP29-35	24	48
201	Plasmonics: Plasmon-Enhanced Sub-Wavelength Laser Ablation: Plasmonic Nanojets (Adv. Mater. 10/2012). <i>Advanced Materials</i> , 2012 , 24, OP28-OP28	24	
200	Improved functionalization of oleic acid-coated iron oxide nanoparticles for biomedical applications. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1100	2.3	144
199	Point group symmetry determination via observables revealed by polarized second-harmonic generation microscopy: (2) applications. <i>Analytical Chemistry</i> , 2012 , 84, 6386-90	7.8	14
198	Faraday rotation and its dispersion in the visible region for saturated organic liquids. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 1860-4	3.6	13
197	Point group symmetry determination via observables revealed by polarized second-harmonic generation microscopy: (1) theory. <i>Analytical Chemistry</i> , 2012 , 84, 6378-85	7.8	25
196	Comparison of Two Synthesis Routes to Obtain Gold Nanoparticles in Polyimide. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 115-125	3.8	15
195	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	3.8	17
194	Magnetic-plasmonic nanoparticles for the life sciences: calculated optical properties of hybrid structures. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 559-68	6	44
193	Second-harmonic generation reveals the oxidation steps in semiconductor processing. <i>Journal of Applied Physics</i> , 2012 , 111, 064504	2.5	3
192	SHG/2PF microscopy of single and multi-layer graphene 2012 ,		2
191	Circular dichroism in optical second harmonic generated in reflection from chiral G-shaped metamaterials. <i>Journal of Physics: Conference Series</i> , 2012 , 352, 012029	0.3	3
190	Distributing the optical near-field for efficient field-enhancements in nanostructures. <i>Advanced Materials</i> , 2012 , 24, OP208-15, OP272	24	25
189	Tuning the properties of colloidal magneto-photonic crystals by controlled infiltration with superparamagnetic magnetite nanoparticles 2012 ,		3
188	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	1.7	21
187	Second-harmonic generation as characterization tool for Ge/high-k dielectric interfaces 2012 ,		2
186	The role of chiral local field enhancements below the resolution limit of Second Harmonic Generation microscopy. <i>Optics Express</i> , 2012 , 20, 256-64	3.3	37
185	Characterization of magnetization-induced second harmonic generation in iron oxide polymer nanocomposites. <i>Applied Optics</i> , 2012 , 51, 209-13	1.7	14

184	Chirality in nonlinear-optical response of planar G-shaped nanostructures. <i>Optics Express</i> , 2012 , 20, 8518-23	3.3	15
183	Second harmonic hotspots at the edges of the unit cells in G-shaped gold nanostructures 2012 ,		1
182	Core-shell nanoparticles as enhanced probes for imaging applications 2012 ,		1
181	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, 1317-27	16.4	74
180	Plasmons reveal the direction of magnetization in nickel nanostructures. <i>ACS Nano</i> , 2011 , 5, 91-6	16.7	67
179	Adsorption kinetics of ultrathin polymer films in the melt probed by dielectric spectroscopy and second-harmonic generation. <i>Langmuir</i> , 2011 , 27, 13533-8	4	63
178	Hotspot decorations map plasmonic patterns with the resolution of scanning probe techniques. <i>Physical Review Letters</i> , 2011 , 106, 226803	7.4	38
177	Incorporation of amphiphilic ruthenium(II) ammine complexes into Langmuir-Blodgett thin films with switchable quadratic nonlinear optical behavior. <i>Inorganic Chemistry</i> , 2011 , 50, 12886-99	5.1	25
176	Linearly polarized second harmonic generation microscopy reveals chirality: erratum. <i>Optics Express</i> , 2011 , 19, 9242	3.3	4
175	Coherent and incoherent second harmonic generation in planar G-shaped nanostructures. <i>Optics Letters</i> , 2011 , 36, 3681-3	3	15
174	Focus Issue Introduction: Chiral Optical Materials. <i>Optical Materials Express</i> , 2011 , 1, 3	2.6	4
173	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	5.5	16
172	Fast and accurate peanut allergen detection with nanobead enhanced optical fiber SPR biosensor. <i>Talanta</i> , 2011 , 83, 1436-41	6.2	113
171	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, 076105	2.5	11
170	End Group-Functionalization and Synthesis of Block-Copolythiophenes by Modified Nickel Initiators. <i>Macromolecules</i> , 2011 , 44, 6017-6025	5.5	66
169	Improving fluxes of polyimide membranes containing gold nanoparticles by photothermal heating. <i>Journal of Membrane Science</i> , 2011 , 373, 5-13	9.6	48
168	Si passivation for Ge pMOSFETs: Impact of Si cap growth conditions. <i>Solid-State Electronics</i> , 2011 , 60, 116-121	1.7	19
167	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	53

166	U-shaped switches for optical information processing at the nanoscale. <i>Small</i> , 2011 , 7, 2573-6	11	27
165	Ni-Catalyzed Polymerization of Poly(3-alkoxythiophene)s. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 328-335	2.6	15
164	Using the photothermal effect to improve membrane separations via localized heating. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6079		55
163	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	5.5	24
162	Spontaneous chirality in an octupolar discotic crystal 2011 ,		1
161	Nonreciprocal silicon-organic nanophotonic structures 2011 ,		1
160	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	4.4	7
159	Asymmetric optical second-harmonic generation from chiral G-shaped gold nanostructures. <i>Physical Review Letters</i> , 2010 , 104, 127401	7.4	132
158	Localization of p-nitroaniline chains inside zeolite ZSM-5 with second-harmonic generation microscopy. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6630-1	16.4	27
157	Steering the Conformation and Chiroptical Properties of Poly(dithienopyrrole)s Substituted with Chiral OPV Side Chains.. <i>Macromolecules</i> , 2010 , 43, 2157-2168	5.5	28
156	Magnetic Properties of Substituted Poly(thiophene)s in Their Neutral State. <i>Macromolecules</i> , 2010 , 43, 2910-2915	5.5	13
155	Expression of Supramolecular Chirality in Block Copoly(thiophene)s. <i>Macromolecules</i> , 2010 , 43, 3794-3805	5.5	69
154	Linearly polarized second harmonic generation microscopy reveals chirality. <i>Optics Express</i> , 2010 , 18, 8286-93	3.3	38
153	Unraveling molecular architecture inside zeolites with second-harmonic generation microscopy 2010 ,		3
152	Mapping of the organization of p-nitroaniline in SAPO-5 by second-harmonic generation microscopy. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 10688-92	3.6	13
151	Synthesis, Chiroptical Behavior, and Sensing of Carboxylic Acid Functionalized Poly(phenylene ethynylene-alt-bithiophene)s. <i>Macromolecules</i> , 2010 , 43, 7412-7423	5.5	14
150	The use of second-harmonic generation to study diffusion through films under a liquid phase. <i>ChemPhysChem</i> , 2010 , 11, 870-4	3.2	5
149	Three-dimensional characterization of helical silver nanochains mediated by protein assemblies. <i>Advanced Materials</i> , 2010 , 22, 2193-7	24	52

148	Chirally organized oligothiophenes: towards modeling interchain interactions within π -conjugated systems. <i>Chemistry - A European Journal</i> , 2010 , 16, 10963-7	4.8	1
147	Difference in the nonlinear optical response of epitaxial Si on Ge(100) grown from SiH ₄ at 500 °C and from Si ₃ H ₈ at 350 °C due to segregation of Ge. <i>Applied Physics Letters</i> , 2009 , 94, 061123	3.4	6
146	Changing the three-dimensional magnetization exchange coupling of mixed Fe and V nanoclusters with hydrogen. <i>Journal of Applied Physics</i> , 2009 , 105, 114907	2.5	6
145	Faraday rotation in magnetic colloidal photonic crystals 2009 ,		2
144	Second Harmonic Generation in Core (Shell) Fe ₂ O ₃ (Au) Nanoparticles. <i>Solid State Phenomena</i> , 2009 , 152-153, 508-511	0.4	9
143	Magnetic field sensing based on Faraday rotation in inorganic/polymer hybrid materials 2009 ,		2
142	Optical second harmonic generation chiral spectroscopy. <i>ChemPhysChem</i> , 2009 , 10, 1431-4	3.2	15
141	Incorporation of a conjugated side-chain in regioregular polythiophenes: Chiroptical properties and selective oxidation. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 1891-1900	2.5	10
140	Investigation of the conformation of hyperbranched poly(arylene oxindole)s using hyper-Rayleigh scattering. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 3740-3747	2.5	3
139	Engineering colloidal photonic crystals with magnetic functionalities. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 339, 13-19	5.1	8
138	In situ orientation-sensitive observation of molecular adsorption on a liquid/zeolite interface by second-harmonic generation. <i>Langmuir</i> , 2009 , 25, 4256-61	4	15
137	Determining the values of second-order surface nonlinearities by measurements with wave plates of different retardations. <i>Applied Optics</i> , 2009 , 48, 3030-4	0.2	
136	Plasmonic ratchet wheels: switching circular dichroism by arranging chiral nanostructures. <i>Nano Letters</i> , 2009 , 9, 3945-8	11.5	190
135	Incorporation of Different End Groups in Conjugated Polymers Using Functional Nickel Initiators. <i>Macromolecules</i> , 2009 , 42, 7638-7641	5.5	110
134	Conformational Steering in Substituted Poly(3,6-phenanthrene)s: A Linear and Nonlinear Optical Study. <i>Macromolecules</i> , 2009 , 42, 4282-4287	5.5	21
133	A Study of Chirality in Gold Nanostructures with Second Harmonic Generation. <i>Acta Physica Polonica A</i> , 2009 , 116, 498-500	0.6	1
132	Conformational Transitions in Chiral, Gallic Acid-Functionalized Poly(dithienopyrrole): A Comparative UV-Vis and CD Study. <i>Macromolecules</i> , 2008 , 41, 5582-5589	5.5	39
131	Precise measurements of Faraday rotation using ac magnetic fields. <i>American Journal of Physics</i> , 2008 , 76, 626-629	0.7	31

130	A Chiroptical Study of Chiral β - and X- Type Oligothiophenes Toward Modelling the Interchain Interactions of Chiral Conjugated Polymers. <i>Chemistry of Materials</i> , 2008 , 20, 2133-2143	9.6	25
129	Influence of the Polymerization Methodology on the Regioregularity and Chiroptical Properties of Poly(alkylthiophene)s. <i>Macromolecules</i> , 2008 , 41, 5123-5131	5.5	41
128	Influence of the Substituent on the Chiroptical Properties of Poly(thieno[3,2-b]thiophene)s. <i>Macromolecules</i> , 2008 , 41, 568-578	5.5	26
127	Redox-switching of nonlinear optical behavior in Langmuir-Blodgett thin films containing a ruthenium(II) ammine complex. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3286-7	16.4	127
126	Influence of the Substitution Pattern on the Chiroptical Properties of Regioregular Poly(3-alkoxythiophene)s. <i>Macromolecules</i> , 2008 , 41, 1041-1044	5.5	35
125	Chiroptical Properties of Cyclopentadithiophene-Based Conjugated Polymers. <i>Macromolecules</i> , 2008 , 41, 591-598	5.5	28
124	Differential detection for measurements of Faraday rotation by means of ac magnetic fields. <i>European Journal of Physics</i> , 2008 , 29, 1099-1104	0.8	16
123	Functionalized poly(phenylene-alt-bithiophenes): Synthesis, chiroptical properties, and interaction with chiral amines. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 4817-4829	2.5	8
122	Transfer of supramolecular chirality in block copoly(thiophene)s. <i>Chemistry - A European Journal</i> , 2008 , 14, 9122-5	4.8	46
121	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, 2978-81	16.4	52
120	Molecular Symmetry and Solution-Phase Structure Interrogated by Hyper-Rayleigh Depolarization Measurements: Elaborating Highly Hyperpolarizable D ₂ -Symmetric Chromophores. <i>Angewandte Chemie</i> , 2008 , 120, 3020-3023	3.6	6
119	Synthesis and nonlinear optical properties of linear and β -shaped pyranone-based chromophores. <i>Tetrahedron</i> , 2008 , 64, 3772-3781	2.4	23
118	Lambda-type regioregular oligothiophenes: synthesis and second-order NLO properties. <i>Journal of Organic Chemistry</i> , 2007 , 72, 5855-8	4.2	39
117	Chirality in Poly(phenylene-alt-bithiophene)s: A Comprehensive Study of Their Behavior in Film and Nonsolvents. <i>Macromolecules</i> , 2007 , 40, 8142-8150	5.5	10
116	Influence of the Substituent and Polymerization Methodology on the Properties of Chiral Poly(dithieno[3,2-b:2'-b']pyrrole)s. <i>Macromolecules</i> , 2007 , 40, 4173-4181	5.5	58
115	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	4.8	28
114	Theoretical investigation on bridged triarylamine helicenes: UV/visible and circular dichroism spectra. <i>Chemical Physics Letters</i> , 2007 , 439, 213-218	2.5	27
113	Second-harmonic generation-circular dichroism in thin films of a chiral poly(3-alkyl)thiophene. <i>Chemical Physics Letters</i> , 2007 , 450, 76-79	2.5	7

112	Theoretical Evaluation of the Faraday Effect in Organic Compounds. <i>Computing Letters</i> , 2007 , 3, 193-200		3
111	A Spectroscopic Study on the Nonlinear Optical Susceptibilities of Organic Molecules. <i>Acta Physica Polonica A</i> , 2007 , 112, 927-934	0.6	3
110	Two-step synthesis of high aspect ratio gold nanorods. <i>Open Chemistry</i> , 2006 , 4, 160-165	1.6	2
109	Liquid crystals from C ₃ -symmetric mesogens for second-order nonlinear optics. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4203-6	16.4	46
108	A joint theoretical-experimental investigation of the Faraday effect in benzene, toluene, and p-xylene. <i>ChemPhysChem</i> , 2006 , 7, 1654-6	3.2	17
107	Regioregular Poly[3-(4-alkoxyphenyl)thiophene]: Evidence for a Two-Step Aggregation Process. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1132-1136	4.8	20
106	Regioregularity in Poly(3-alkoxythiophene)s: Effects on the Faraday Rotation and Polymerization Mechanism. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1920-1925	4.8	58
105	Efficient Faraday rotation in conjugated polymers 2006 , 6331, 274		8
104	Interactions of twisted light with chiral molecules: An experimental investigation. <i>Physical Review A</i> , 2005 , 71,	2.6	75
103	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	9.6	48
102	Synthesis and Properties of Polydithieno[3,2-b:2',3'-d]pyrroles: A Class of Soluble (Chiral) Conjugated Polymers with a Stable Oxidized State. <i>Macromolecules</i> , 2005 , 38, 4545-4547	5.5	30
101	Regioregular Poly(3-alkoxythiophene)s: Toward Soluble, Chiral Conjugated Polymers with a Stable Oxidized State. <i>Macromolecules</i> , 2005 , 38, 5554-5559	5.5	80
100	Poly(phenylquinoxalines) for second-order nonlinear optical applications. <i>Polymer</i> , 2005 , 46, 1784-1795	3.9	15
99	Improved synthesis of N-alkyl substituted dithieno[3,2-b:2',3'-d]pyrroles. <i>Tetrahedron</i> , 2005 , 61, 687-691	1.4	56
98	Oxidation of solid gold in chloroform solutions of cetyltrimethylammonium bromide. <i>Inorganic Chemistry Communication</i> , 2005 , 8, 1075-1077	3.1	13
97	Nonlinear optical properties of spincoated films of chiral polythiophenes. <i>Chemical Physics Letters</i> , 2005 , 404, 112-115	2.5	11
96	Novel superparamagnetic Core(Shell) nanoparticles for magnetic targeted drug delivery and hyperthermia treatment. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 4194-4196	2	55
95	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	24	19

94	Donor-Embedded Polybinaphthalenes for Nonlinear Optical Applications: Influence of the Incorporation of a Double Bond. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 905-910	4.8	7
93	Mixed electric-magnetic second-order nonlinear optical response of helicenes. <i>Journal of Chemical Physics</i> , 2005 , 122, 234713	3.9	46
92	Switchable Bragg gratings in photochromic-doped graded-index polymer optical fibers 2004 , 5279, 77		3
91	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	2.6	9
90	Nonlinear optical active poly(adamantyl methacrylate-methyl vinyl urethane)s functionalised with phenyltetraene-bridged chromophore. <i>Polymer</i> , 2004 , 45, 19-24	3.9	17
89	Synthesis and Properties of New Chiral Donor-Embedded Polybinaphthalenes for Nonlinear Optical Applications. <i>Macromolecules</i> , 2004 , 37, 8530-8537	5.5	43
88	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	4.8	28
87	Synthesis of Chiral Helical Chromophore-Functionalized Polybinaphthalenes. <i>Macromolecular Rapid Communications</i> , 2003 , 24, 413-419	4.8	6
86	Laser ablation of gold in chloroform solutions of cetyltrimethylammoniumbromide. <i>Chemical Physics Letters</i> , 2003 , 382, 650-653	2.5	9
85	Second-order nonlinear optical properties of nanocrystalline maghemite particles. <i>Chemical Physics Letters</i> , 2003 , 378, 101-104	2.5	4
84	High glass transition temperature chromophore functionalised poly(phenylquinoxalines) for nonlinear optics. <i>European Polymer Journal</i> , 2003 , 39, 969-976	5.2	12
83	Second-order nonlinear optical properties of chiral materials. <i>Materials Science and Engineering Reports</i> , 2003 , 42, 115-155	30.9	105
82	Synthesis and properties of chiral helical chromophore-functionalised polybinaphthalenes for second-order nonlinear optical applications. <i>Polymer</i> , 2003 , 44, 3785-3794	3.9	34
81	Magnetic-dipole susceptibilities in electric-field induced second-harmonic generation. <i>Optical Materials</i> , 2003 , 21, 7-10	3.3	3
80	Polymer materials for second-order non-linear optical applications. <i>Optical Materials</i> , 2003 , 21, 67-70	3.3	14
79	Synthesis and Properties of Chiral Chromophore-Functionalized Polybinaphthalenes for Nonlinear Optics: Influence of Chromophore Concentration. <i>Macromolecules</i> , 2003 , 36, 9736-9741	5.5	27
78	Synthesis and Properties of Chiral Donor-Embedded Polybinaphthalenes for Nonlinear Optical Applications. <i>Chemistry of Materials</i> , 2003 , 15, 2870-2872	9.6	13
77	Electric-field-modulated circular-difference effects in second-harmonic generation from a chiral liquid crystal. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3882-4	16.4	90

76	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	5.1	8
75	Chromophore-functionalised polyimides with high-poling stabilities of the nonlinear optical effect at elevated temperature. <i>Polymer</i> , 2002 , 43, 1581-1585	3.9	42
74	Application of Chiral Symmetries in Even-Order Nonlinear Optics. <i>ACS Symposium Series</i> , 2002 , 145-156	0.4	5
73	High glass transition chromophore functionalised polyimides for second-order nonlinear optical applications. <i>Polymer</i> , 2001 , 42, 3315-3322	3.9	41
72	Magnetic-dipole nonlinearities in chiral materials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001 , 145, 113-115	4.7	8
71	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	5.2	10
70	Chromophore functionalised maleimide copolymers with high poling stabilities of the nonlinear optical effect at elevated temperature. <i>Polymer</i> , 2001 , 42, 8511-8516	3.9	13
69	Fuzzy Assembly and Second Harmonic Generation of Clay/Polymer/Dye Monolayer Films. <i>Langmuir</i> , 2001 , 17, 1243-1249	4	45
68	Circular-difference effects in second-harmonic generation from thin films. <i>Synthetic Metals</i> , 2001 , 124, 191-193	3.6	8
67	Second-Order Nonlinear Optical Properties of Highly Symmetric Chiral Thin Films. <i>Langmuir</i> , 2001 , 17, 4685-4687	4	56
66	Second-order non-linear optical polymers. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 1-15	4.8	113
65	High glass transition chromophore functionalised poly(maleimide-styrene)s for second-order nonlinear optical applications. <i>Polymer</i> , 2000 , 41, 6049-6054	3.9	36
64	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	2.5	22
63	Optical activity effects in second harmonic generation from anisotropic chiral thin films. <i>Journal of Chemical Physics</i> , 2000 , 113, 7578-7581	3.9	32
62	Second-Order Nonlinear Optics Based on Chiral Materials. <i>Optics and Photonics News</i> , 2000 , 11, 24	1.9	14
61	Nonlinear optical study of helicenebisquinones. <i>Synthetic Metals</i> , 2000 , 115, 201-205	3.6	16
60	Orientation of Nonlinear Optical Active Dyes in Electrostatically Self-Assembled Polymer Films Containing Cyclodextrins. <i>Macromolecules</i> , 2000 , 33, 9471-9473	5.5	22
59	Tensor analysis of the second-order nonlinear optical susceptibility of chiral anisotropic thin films. <i>Journal of Chemical Physics</i> , 2000 , 112, 1497-1502	3.9	34

58	CHIRAL MATERIALS IN SECOND-ORDER NONLINEAR OPTICS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 1999 , 08, 171-189	0.8	43
57	Light-Polarization-Induced Optical Activity. <i>Physical Review Letters</i> , 1999 , 82, 3601-3604	7.4	17
56	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	8.3	6
55	Chiral 1,1'-binaphthyl-based helical polymers as nonlinear optical materials. <i>Chemical Physics Letters</i> , 1999 , 309, 315-320	2.5	42
54	Synthesis and nonlinear optical properties of high glass transition polyimides. <i>Macromolecular Chemistry and Physics</i> , 1999 , 200, 2629-2635	2.6	29
53	Second-order nonlinear optical properties of chiral thin films. <i>Journal of Materials Chemistry</i> , 1999 , 9, 2005-2012		74
52	Synthesis, Self-Assembly, and Nonlinear Optical Properties of Conjugated Helical Metal Phthalocyanine Derivatives. <i>Journal of the American Chemical Society</i> , 1999 , 121, 3453-3459	16.4	178
51	Nonlinear Optical Properties of Correlated Chromophores in Organic Mesoscopic Superstructures. <i>Advanced Materials</i> , 1998 , 10, 643-655	24	49
50	Synthesis and nonlinear optical properties of high glass transition poly(maleimide-4-phenylstyrene)s. <i>Macromolecular Rapid Communications</i> , 1998 , 19, 349-352	4.8	20
49	Chirality in surface nonlinear optics. <i>Optical Materials</i> , 1998 , 9, 286-294	3.3	21
48	Chiral effects in second-order nonlinear optics. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 315, 93-98		3
47	Strong enhancement of nonlinear optical properties through supramolecular chirality. <i>Science</i> , 1998 , 282, 913-5	33.3	598
46	Optical activity of anisotropic achiral surfaces. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998 , 15, 451	1.7	24
45	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	16.4	105
44	Second-order nonlinear optical signatures of surface chirality. <i>Journal of Modern Optics</i> , 1998 , 45, 403-423		60
43	Electro-optic response of chiral helicenes in isotropic media. <i>Journal of Chemical Physics</i> , 1998 , 108, 1301-1304	3.3	33
42	Chirality Effects in Second-Order Nonlinear Optics 1998 , 259-273		
41	Quantitative determination of electric and magnetic second-order susceptibility tensors of chiral surfaces. <i>Physical Review B</i> , 1997 , 55, R1985-R1988	3.3	53

40	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	3.9	51
39	Second-order nonlinear optical materials: recent advances in chromophore design. <i>Journal of Materials Chemistry</i> , 1997 , 7, 2175-2189		528
38	Uniqueness of wave-plate measurements in determining the tensor components of second-order surface nonlinearities. <i>Physical Review B</i> , 1997 , 55, 5021-5026	3.3	40
37	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	5.5	16
36	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	3.9	58
35	Supramolecular Enhancement of Second-Order Optical Nonlinearity. <i>Optics and Photonics News</i> , 1996 , 7, 18	1.9	
34	Nonlinear optical properties of chiral polymers. <i>Synthetic Metals</i> , 1996 , 81, 117-120	3.6	8
33	Second-Harmonic Generation from Floating Monolayers and Langmuir-Blodgett Multilayers of Poly(isocyanide)s. <i>Macromolecules</i> , 1996 , 29, 4876-4879	5.5	19
32	Use of the Lognormal Distribution Function To Describe Orientational Relaxation in Optically Nonlinear Polymers. <i>Macromolecules</i> , 1996 , 29, 6310-6316	5.5	10
31	Nonlinear optical properties of polymeric materials and polymer films: Recent developments and future trends. <i>Macromolecular Symposia</i> , 1996 , 102, 347-354	0.8	4
30	Second-order nonlinear optical properties of a chromophore-functionalized polypeptide. <i>Advanced Materials</i> , 1996 , 8, 756-759	24	25
29	Anisotropic floating monolayers of 2-docosylamino-5-nitropyridine studied by second-harmonic generation. <i>Chemical Physics Letters</i> , 1996 , 257, 285-288	2.5	6
28	Optical Activity of Anisotropic Achiral Surfaces. <i>Physical Review Letters</i> , 1996 , 77, 1456-1459	7.4	90
27	Chirality Effects in Second-Order Nonlinear Optics 1996 , 129-144		1
26	Linearly polarized probes of surface chirality. <i>Journal of Chemical Physics</i> , 1995 , 103, 8296-8298	3.9	46
25	Electrooptic Properties of Side-Chain Polyimides with Exceptional Thermal Stabilities. <i>Macromolecules</i> , 1995 , 28, 3005-3007	5.5	48
24	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	5.5	96
23	Exceptionally thermally stable polyimides for second-order nonlinear optical applications. <i>Science</i> , 1995 , 268, 1604-6	33.3	213

22	Supramolecular Second-Order Nonlinearity of Polymers with Orientationally Correlated Chromophores. <i>Science</i> , 1995 , 270, 966-969	33.3	153
21	Chiral effects in the second-order optical nonlinearity of a poly(isocyanide) monolayer**. <i>Advanced Materials</i> , 1995 , 7, 641-644	24	56
20	The use of the Wagner function to describe poled-order relaxation processes in electrooptic polymers. <i>Chemical Physics Letters</i> , 1995 , 236, 253-258	2.5	7
19	Parametric light scattering. <i>Journal of Chemical Physics</i> , 1994 , 101, 1745-1747	3.9	18
18	Highly polarizable biaryl salts for liquid crystals and nonlinear optics: Synthesis and properties of a phenol/pyridinium triflate. <i>Advanced Materials</i> , 1994 , 6, 580-583	24	6
17	Second-harmonic generation from floating Langmuir layers of an azobenzene-functionalized copolymer. <i>Thin Solid Films</i> , 1994 , 242, 139-141	2.2	3
16	Second-harmonic generation from chiral surfaces. <i>Journal of Chemical Physics</i> , 1994 , 101, 8193-8199	3.9	118
15	Triphenylcarbinol Derivatives as Molecules for Second-Order Nonlinear Optics. <i>Chemistry of Materials</i> , 1994 , 6, 412-417	9.6	20
14	Nonlinear Optical Activity and Biomolecular Chirality. <i>Journal of the American Chemical Society</i> , 1994 , 116, 9203-9205	16.4	76
13	Investigations of the Hyperpolarizability in Organic Molecules from Dipolar to Octopolar Systems. <i>Journal of the American Chemical Society</i> , 1994 , 116, 9320-9323	16.4	181
12	Second-order nonlinearity in mixed-valence metal chromophores 1994 ,		5
11	Nonlinear optical properties of proteins measured by hyper-rayleigh scattering in solution. <i>Science</i> , 1993 , 262, 1419-22	33.3	132
10	Nonlinear optical properties of bacteriorhodopsin 1993 , 1853, 233		
9	Measurements of molecular hyperpolarizabilities using hyper-Rayleigh scattering 1993 , 1775, 206		6
8	Nonlinear optical properties of polymers and thin polymer films. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1993 , 69, 193-203		4
7	Hyper-Rayleigh Scattering (HRS) In Isotropic Media. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 328, 565		
6	Highly ordered films of neat calix[4]arenes for second order nonlinear optics. <i>Advanced Materials</i> , 1993 , 5, 925-930	24	34
5	Large second-order optical polarizabilities in mixed-valency metal complexes. <i>Nature</i> , 1993 , 363, 58-60	50.4	151

4	Determination of the hyperpolarizability of an octopolar molecular ion by hyper-Rayleigh scattering. <i>Optics Letters</i> , 1993 , 18, 525-7	3	79
3	Second harmonic generation in Langmuir-Blodgett films of preformed polymers. <i>Thin Solid Films</i> , 1992 , 210-211, 188-190	2.2	7
2	Synthesis and nonlinear optical properties of preformed polymers forming Langmuir-Blodgett films 1991 , 1560, 353		2
1	Second-order Nonlinear Optical Characterization Techniques		142