Thierry Verbiest

List of Publications by Citations

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	Strong enhancement of nonlinear optical properties through supramolecular chirality. *Science*, **1998**, 282, 913-5	33.3	598
308	Second-order nonlinear optical materials: recent advances in chromophore design. *Journal of Materials Chemistry*, **1997**, 7, 2175-2189		528
307	Chirality and chiroptical effects in plasmonic nanostructures: fundamentals, recent progress, and outlook. *Advanced Materials*, **2013**, 25, 2517-34	24	463
306	Structures, Sorption Characteristics, and Nonlinear Optical Properties of a New Series of Highly Stable Aluminum MOFs. *Chemistry of Materials*, **2013**, 25, 17-26	9.6	227
305	Exceptionally thermally stable polyimides for second-order nonlinear optical applications. *Science*, **1995**, 268, 1604-6	33.3	213
304	Plasmonic ratchet wheels: switching circular dichroism by arranging chiral nanostructures. *Nano Letters*, **2009**, 9, 3945-8	11.5	190
303	Investigations of the Hyperpolarizability in Organic Molecules from Dipolar to Octopolar Systems. *Journal of the American Chemical Society*, **1994**, 116, 9320-9323	16.4	181
302	Synthesis, Self-Assembly, and Nonlinear Optical Properties of Conjugated Helical Metal Phthalocyanine Derivatives. *Journal of the American Chemical Society*, **1999**, 121, 3453-3459	16.4	178
301	Supramolecular Second-Order Nonlinearity of Polymers with Orientationally Correlated Chromophores. *Science*, **1995**, 270, 966-969	33.3	153
300	Large second-order optical polarizabilities in mixed-valency metal complexes. *Nature*, **1993**, 363, 58-60	50.4	151
299	Improved functionalization of oleic acid-coated iron oxide nanoparticles for biomedical applications. *Journal of Nanoparticle Research*, **2012**, 14, 1100	2.3	144
298	Second-order Nonlinear Optical Characterization Techniques		142
297	Asymmetric optical second-harmonic generation from chiral G-shaped gold nanostructures. *Physical Review Letters*, **2010**, 104, 127401	7.4	132
296	Nonlinear optical properties of proteins measured by hyper-rayleigh scattering in solution. *Science*, **1993**, 262, 1419-22	33.3	132
295	Selective uptake of rare earths from aqueous solutions by EDTA-functionalized magnetic and nonmagnetic nanoparticles. *ACS Applied Materials & Interfaces*, **2014**, 6, 4980-8	9.5	127
294	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, 3286-7	16.4	127
293	Second-harmonic generation from chiral surfaces. *Journal of Chemical Physics*, **1994**, 101, 8193-8199	3.9	118

292	Fast and accurate peanut allergen detection with nanobead enhanced optical fiber SPR biosensor. *Talanta*, **2011**, 83, 1436-41	6.2	113
291	Second-order non-linear optical polymers. *Macromolecular Rapid Communications*, **2000**, 21, 1-15	4.8	113
290	Incorporation of Different End Groups in Conjugated Polymers Using Functional Nickel Initiators. *Macromolecules*, **2009**, 42, 7638-7641	5.5	110
289	Second-order nonlinear optical properties of chiral materials. *Materials Science and Engineering Reports*, **2003**, 42, 115-155	30.9	105
288	Circular Dichroism and UV□Visible Absorption Spectra of the Langmuir□Blodgett Films of an Aggregating Helicene. *Journal of the American Chemical Society*, **1998**, 120, 8656-8660	16.4	105
287	Chiral phase transfer and enantioenrichment of thiolate-protected Au□clusters. *Journal of the American Chemical Society*, **2014**, 136, 4129-32	16.4	99
286	Nonlinear superchiral meta-surfaces: tuning chirality and disentangling non-reciprocity at the nanoscale. *Advanced Materials*, **2014**, 26, 4074-81	24	97
285	Donor-Embedded Nonlinear Optical Side Chain Polyimides Containing No Flexible Tether: Materials of Exceptional Thermal Stability for Electrooptic Applications. *Macromolecules*, **1995**, 28, 4970-4974	5.5	96
284	Electric-field-modulated circular-difference effects in second-harmonic generation from a chiral liquid crystal. *Angewandte Chemie - International Edition*, **2002**, 41, 3882-4	16.4	90
283	Optical Activity of Anisotropic Achiral Surfaces. *Physical Review Letters*, **1996**, 77, 1456-1459	7.4	90
282	Controlled partial interpenetration in metal-organic frameworks. *Nature Chemistry*, **2016**, 8, 250-7	17.6	87
281	Regioregular Poly(3-alkoxythiophene)s: Toward Soluble, Chiral Conjugated Polymers with a Stable Oxidized State. *Macromolecules*, **2005**, 38, 5554-5559	5.5	80
280	Determination of the hyperpolarizability of an octopolar molecular ion by hyper-Rayleigh scattering. *Optics Letters*, **1993**, 18, 525-7	3	79
279	Nonlinear Optical Activity and Biomolecular Chirality. *Journal of the American Chemical Society*, **1994**, 116, 9203-9205	16.4	76
278	Interactions of twisted light with chiral molecules: An experimental investigation. *Physical Review A* , **2005**, 71,	2.6	75
277	Interchromophoric interactions in chiral X-type □conjugated oligomers: a linear and nonlinear optical study. *Journal of the American Chemical Society*, **2011**, 133, 1317-27	16.4	74
276	Second-order nonlinear optical properties of chiral thin films. *Journal of Materials Chemistry*, **1999**, 9, 2005-2012		74
275	Expression of Supramolecular Chirality in Block Copoly(thiophene)s. *Macromolecules*, **2010**, 43, 3794-3800	5.5	69

274	Resolving enantiomers using the optical angular momentum of twisted light. *Science Advances*, **2016**, 2, e1501349	14.3	67
273	Plasmons reveal the direction of magnetization in nickel nanostructures. *ACS Nano*, **2011**, 5, 91-6	16.7	67
272	End Group-Functionalization and Synthesis of Block-Copolythiophenes by Modified Nickel Initiators. *Macromolecules*, **2011**, 44, 6017-6025	5.5	66
271	Adsorption kinetics of ultrathin polymer films in the melt probed by dielectric spectroscopy and second-harmonic generation. *Langmuir*, **2011**, 27, 13533-8	4	63
270	Second-order nonlinear optical signatures of surface chirality. *Journal of Modern Optics*, **1998**, 45, 403-423	1.1	60
269	Versatile ferrofluids based on polyethylene glycol coated iron oxide nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 1919-1925	2.8	59
268	Influence of the Substituent and Polymerization Methodology on the Properties of Chiral Poly(dithieno[3,2-b:2□3□-d]pyrrole)s. *Macromolecules*, **2007**, 40, 4173-4181	5.5	58
267	Regioregularity in Poly(3-alkoxythiophene)s: Effects on the Faraday Rotation and Polymerization Mechanism. *Macromolecular Rapid Communications*, **2006**, 27, 1920-1925	4.8	58
266	Comparison of linearly and circularly polarized probes of second-order optical activity of chiral surfaces. *Journal of Chemical Physics*, **1996**, 105, 767-772	3.9	58
265	Improved synthesis of N-alkyl substituted dithieno[3,2-b:2?,3?-d]pyrroles. *Tetrahedron*, **2005**, 61, 687-691	2.4	56
264	Second-Order Nonlinear Optical Properties of Highly Symmetric Chiral Thin Films. *Langmuir*, **2001**, 17, 4685-4687	4	56
263	Chiral effects in the second-order optical nonlinearity of a poly(isocyanide) monolayer**. *Advanced Materials*, **1995**, 7, 641-644	24	56
262	Using the photothermal effect to improve membrane separations via localized heating. *Journal of Materials Chemistry*, **2011**, 21, 6079		55
261	Novel superparamagnetic Core(Shell) nanoparticles for magnetic targeted drug delivery and hyperthermia treatment. *IEEE Transactions on Magnetics*, **2005**, 41, 4194-4196	2	55
260	Development of a universal chain-growth polymerization protocol of conjugated polymers: Toward a variety of all-conjugated block-copolymers. *Journal of Polymer Science Part A*, **2011**, 49, 5339-5349	2.5	53
259	Quantitative determination of electric and magnetic second-order susceptibility tensors of chiral surfaces. *Physical Review B*, **1997**, 55, R1985-R1988	3.3	53
258	Three-dimensional characterization of helical silver nanochains mediated by protein assemblies. *Advanced Materials*, **2010**, 22, 2193-7	24	52
257	Molecular symmetry and solution-phase structure interrogated by hyper-Rayleigh depolarization measurements: elaborating highly hyperpolarizable D2-symmetric chromophores. *Angewandte Chemie - International Edition*, **2008**, 47, 2978-81	16.4	52

256	Direct evidence of the failure of electric-dipole approximation in second-harmonic generation from a chiral polymer film. *Journal of Chemical Physics*, **1997**, 107, 8201-8203	3.9	51
255	Nonlinear Optical Properties of Thiolate-Protected Gold Clusters. *Journal of Physical Chemistry C*, **2015**, 119, 6221-6226	3.8	50
254	Improving the flux of PDMS membranes via localized heating through incorporation of gold nanoparticles. *Journal of Membrane Science*, **2013**, 428, 63-69	9.6	49
253	Nonlinear Optical Properties of Correlated Chromophores in Organic Mesoscopic Superstructures. *Advanced Materials*, **1998**, 10, 643-655	24	49
252	Plasmon-enhanced sub-wavelength laser ablation: plasmonic nanojets. *Advanced Materials*, **2012**, 24, OP29-35	24	48
251	Improving fluxes of polyimide membranes containing gold nanoparticles by photothermal heating. *Journal of Membrane Science*, **2011**, 373, 5-13	9.6	48
250	Influence of Monomer Optical Purity on the Conformation and Properties of Chiral, Donor-Embedded Polybinaphthalenes for Nonlinear Optical Purposes. *Chemistry of Materials*, **2005**, 17, 118-121	9.6	48
249	Electrooptic Properties of Side-Chain Polyimides with Exceptional Thermal Stabilities. *Macromolecules*, **1995**, 28, 3005-3007	5.5	48
248	Acid-Stable Magnetic Core–Shell Nanoparticles for the Separation of Rare Earths. *Industrial & Engineering Chemistry Research*, **2014**, 53, 15222-15229	3.9	46
247	Transfer of supramolecular chirality in block copoly(thiophene)s. *Chemistry - A European Journal*, **2008**, 14, 9122-5	4.8	46
246	Liquid crystals from C3-symmetric mesogens for second-order nonlinear optics. *Angewandte Chemie - International Edition*, **2006**, 45, 4203-6	16.4	46
245	Mixed electric-magnetic second-order nonlinear optical response of helicenes. *Journal of Chemical Physics*, **2005**, 122, 234713	3.9	46
244	Linearly polarized probes of surface chirality. *Journal of Chemical Physics*, **1995**, 103, 8296-8298	3.9	46
243	ZIF-8 as Nonlinear Optical Material: Influence of Structure and Synthesis. *Chemistry of Materials*, **2016**, 28, 3203-3209	9.6	46
242	Fuzzy Assembly and Second Harmonic Generation of Clay/Polymer/Dye Monolayer Films. *Langmuir*, **2001**, 17, 1243-1249	4	45
241	Magnetic-plasmonic nanoparticles for the life sciences: calculated optical properties of hybrid structures. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2012**, 8, 559-68	6	44
240	Synthesis and Properties of New Chiral Donor-Embedded Polybinaphthalenes for Nonlinear Optical Applications. *Macromolecules*, **2004**, 37, 8530-8537	5.5	43
239	CHIRAL MATERIALS IN SECOND-ORDER NONLINEAR OPTICS. *Journal of Nonlinear Optical Physics and Materials*, **1999**, 08, 171-189	0.8	43

238	Chromophore-functionalised polymides with high-poling stabilities of the nonlinear optical effect at elevated temperature. *Polymer*, **2002**, 43, 1581-1585	3.9	42
237	Chiral 1,1?-binaphthyl-based helical polymers as nonlinear optical materials. *Chemical Physics Letters*, **1999**, 309, 315-320	2.5	42
236	Influence of the Polymerization Methodology on the Regioregularity and Chiroptical Properties of Poly(alkylthiothiophene)s. *Macromolecules*, **2008**, 41, 5123-5131	5.5	41
235	High glass transition chromophore functionalised polyimides for second-order nonlinear optical applications. *Polymer*, **2001**, 42, 3315-3322	3.9	41
234	Synthesis of End-Group Functionalized P3HT: General Protocol for P3HT/Nanoparticle Hybrids. *Macromolecules*, **2013**, 46, 8500-8508	5.5	40
233	Uniqueness of wave-plate measurements in determining the tensor components of second-order surface nonlinearities. *Physical Review B*, **1997**, 55, 5021-5026	3.3	40
232	Conformational Transitions in Chiral, Gallic Acid-Functionalized Poly(dithienopyrrole): A Comparative UV□is and CD Study. *Macromolecules*, **2008**, 41, 5582-5589	5.5	39
231	Lambda-type regioregular oligothiophenes: synthesis and second-order NLO properties. *Journal of Organic Chemistry*, **2007**, 72, 5855-8	4.2	39
230	Hotspot decorations map plasmonic patterns with the resolution of scanning probe techniques. *Physical Review Letters*, **2011**, 106, 226803	7.4	38
229	Linearly polarized second harmonic generation microscopy reveals chirality. *Optics Express*, **2010**, 18, 8286-93	3.3	38
228	The role of chiral local field enhancements below the resolution limit of Second Harmonic Generation microscopy. *Optics Express*, **2012**, 20, 256-64	3.3	37
227	High glass transition chromophore functionalised poly(maleimide-styrene)s for second-order nonlinear optical applications. *Polymer*, **2000**, 41, 6049-6054	3.9	36
226	Giant Faraday Rotation in Mesogenic Organic Molecules. *Chemistry of Materials*, **2013**, 25, 1139-1143	9.6	35
225	Influence of the Substitution Pattern on the Chiroptical Properties of Regioregular Poly(3-alkoxythiophene)s. *Macromolecules*, **2008**, 41, 1041-1044	5.5	35
224	Synthesis and properties of chiral helical chromophore-functionalised polybinaphthalenes for second-order nonlinear optical applications. *Polymer*, **2003**, 44, 3785-3794	3.9	34
223	Tensor analysis of the second-order nonlinear optical susceptibility of chiral anisotropic thin films. *Journal of Chemical Physics*, **2000**, 112, 1497-1502	3.9	34
222	Highly ordered films of neat calix[4]arenes for second order nonlinear optics. *Advanced Materials*, **1993**, 5, 925-930	24	34
221	Electro-optic response of chiral helicenes in isotropic media. *Journal of Chemical Physics*, **1998**, 108, 1301-1304	3.9	33

220	Optical activity effects in second harmonic generation from anisotropic chiral thin films. *Journal of Chemical Physics*, **2000**, 113, 7578-7581	3.9	32
219	Precise measurements of Faraday rotation using ac magnetic fields. *American Journal of Physics*, **2008**, 76, 626-629	0.7	31
218	Nanoscale tuning of enzyme localization for enhanced reactor performance in a novel magnetic-responsive biocatalytic membrane reactor. *Journal of Membrane Science*, **2015**, 487, 209-220	9.6	30
217	Synthesis and Properties of Polydithieno[3,2-b:2□B□d]pyrroles: A Class of Soluble (Chiral) Conjugated Polymers with a Stable Oxidized State. *Macromolecules*, **2005**, 38, 4545-4547	5.5	30
216	Synthesis and nonlinear optical properties of high glass transition polyimides. *Macromolecular Chemistry and Physics*, **1999**, 200, 2629-2635	2.6	29
215	Nonlinear Optical Properties of Thiolate-Protected Gold Clusters: A Theoretical Survey of the First Hyperpolarizabilities. *Journal of Physical Chemistry C*, **2015**, 119, 27676-27682	3.8	28
214	Steering the Conformation and Chiroptical Properties of Poly(dithienopyrrole)s Substituted with Chiral OPV Side Chains.. *Macromolecules*, **2010**, 43, 2157-2168	5.5	28
213	Chiroptical Properties of Cyclopentadithiophene-Based Conjugated Polymers. *Macromolecules*, **2008**, 41, 591-598	5.5	28
212	Influence of the Position of the Connecting Spacer of the Chromophore on the Nonlinear Optical Response. *Macromolecular Rapid Communications*, **2007**, 28, 942-947	4.8	28
211	Novel Chromophore-Functionalized Poly[2-(trifluoromethyl) adamantyl acrylate-methyl vinyl urethane]s with High Poling Stabilities of the Nonlinear Optical Effect. *Macromolecular Rapid Communications*, **2003**, 24, 841-846	4.8	28
210	Synthesis and Characterization of Holmium-Doped Iron Oxide Nanoparticles. *Materials*, **2014**, 7, 1155-1164	3.5	27
209	U-shaped switches for optical information processing at the nanoscale. *Small*, **2011**, 7, 2573-6	11	27
208	Localization of p-nitroaniline chains inside zeolite ZSM-5 with second-harmonic generation microscopy. *Journal of the American Chemical Society*, **2010**, 132, 6630-1	16.4	27
207	Theoretical investigation on bridged triarylamine helicenes: UV/visible and circular dichroism spectra. *Chemical Physics Letters*, **2007**, 439, 213-218	2.5	27
206	Synthesis and Properties of Chiral Chromophore-Functionalized Polybinaphthalenes for Nonlinear Optics: Influence of Chromophore Concentration. *Macromolecules*, **2003**, 36, 9736-9741	5.5	27
205	Symmetry breaking in ligand-protected gold clusters probed by nonlinear optics. *Nanoscale*, **2016**, 8, 12123-7	7.7	27
204	Poly(3-alkylthiophene)s show unexpected second-order nonlinear optical response. *Chemical Communications*, **2014**, 50, 2741-3	5.8	26
203	Heterobifunctional PEG ligands for bioconjugation reactions on iron oxide nanoparticles. *PLoS ONE*, **2014**, 9, e109475	3.7	26

202	Influence of the Substituent on the Chiroptical Properties of Poly(thieno[3,2-b]thiophene)s. *Macromolecules*, **2008**, 41, 568-578	5.5	26
201	Silver nanoparticles as localized nano-heaters under LED light irradiation to improve membrane performance. *Journal of Materials Chemistry A*, **2014**, 2, 3182	13	25
200	Point group symmetry determination via observables revealed by polarized second-harmonic generation microscopy: (1) theory. *Analytical Chemistry*, **2012**, 84, 6378-85	7.8	25
199	Distributing the optical near-field for efficient field-enhancements in nanostructures. *Advanced Materials*, **2012**, 24, OP208-15, OP272	24	25
198	Incorporation of amphiphilic ruthenium(II) ammine complexes into Langmuir-Blodgett thin films with switchable quadratic nonlinear optical behavior. *Inorganic Chemistry*, **2011**, 50, 12886-99	5.1	25
197	A Chiroptical Study of Chiral and X- Type Oligothiophenes Toward Modelling the Interchain Interactions of Chiral Conjugated Polymers. *Chemistry of Materials*, **2008**, 20, 2133-2143	9.6	25
196	Second-order nonlinear optical properties of a chromophore-functionalized polypeptide. *Advanced Materials*, **1996**, 8, 756-759	24	25
195	Influence of the Presence and Length of an Alkyl Spacer on the Supramolecular Chirality of Block Copoly(thiophene)s. *Macromolecules*, **2011**, 44, 728-735	5.5	24
194	Optical activity of anisotropic achiral surfaces. *Journal of the Optical Society of America B: Optical Physics*, **1998**, 15, 451	1.7	24
193	Synthesis and nonlinear optical properties of linear and shaped pyranone-based chromophores. *Tetrahedron*, **2008**, 64, 3772-3781	2.4	23
192	Probing microporous materials with second-harmonic generation. *Microporous and Mesoporous Materials*, **2013**, 166, 102-108	5.3	22
191	Beneficial effect of heating on the morphology and second-order nonlinear optical efficiency of anisotropic thin films. *Chemical Physics Letters*, **2000**, 323, 340-344	2.5	22
190	Orientation of Nonlinear Optical Active Dyes in Electrostatically Self-Assembled Polymer Films Containing Cyclodextrins. *Macromolecules*, **2000**, 33, 9471-9473	5.5	22
189	Third-Harmonic Scattering for Fast and Sensitive Screening of the Second Hyperpolarizability in Solution. *Analytical Chemistry*, **2017**, 89, 2964-2971	7.8	21
188	Layer-by-Layer synthesis and tunable optical properties of hybrid magnetic plasmonic nanocomposites using short bifunctional molecular linkers. *Materials Letters*, **2014**, 118, 99-102	3.3	21
187	Plasmon-assisted enhancement of third-order nonlinear optical effects in core (shell) nanoparticles. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 138	1.7	21
186	Conformational Steering in Substituted Poly(3,6-phenanthrene)s: A Linear and Nonlinear Optical Study. *Macromolecules*, **2009**, 42, 4282-4287	5.5	21
185	Chirality in surface nonlinear optics. *Optical Materials*, **1998**, 9, 286-294	3.3	21

184	Anisotropy versus circular dichroism in second harmonic generation from fourfold symmetric arrays of G-shaped nanostructures. *Physical Review B*, **2014**, 89,	3.3	20
183	Synthesis and nonlinear optical properties of high glass transition poly(maleimide-4-phenylstyrene)s. *Macromolecular Rapid Communications*, **1998**, 19, 349-352	4.8	20
182	Regioregular Poly[3-(4-alkoxyphenyl)thiophene]s: Evidence for a Two-Step Aggregation Process. *Macromolecular Rapid Communications*, **2006**, 27, 1132-1136	4.8	20
181	Triphenylcarbinol Derivatives as Molecules for Second-Order Nonlinear Optics. *Chemistry of Materials*, **1994**, 6, 412-417	9.6	20
180	Simultaneous glucose production from cellulose and fouling reduction using a magnetic responsive membrane reactor with superparamagnetic nanoparticles carrying cellulolytic enzymes. *Bioresource Technology*, **2018**, 263, 532-540	11	19
179	Improving the performance of pervaporation membranes via localized heating through incorporation of silver nanoparticles. *Journal of Materials Chemistry A*, **2013**, 1, 15031	13	19
178	Si passivation for Ge pMOSFETs: Impact of Si cap growth conditions. *Solid-State Electronics*, **2011**, 60, 116-121	1.7	19
177	Polar Order in Spin-Coated Films of a Regioregular Chiral Poly[(S)-3-(3,7-dimethyloctyl)thiophene]. *Advanced Materials*, **2005**, 17, 708-712	24	19
176	Second-Harmonic Generation from Floating Monolayers and Langmuir−Blodgett Multilayers of Poly(isocyanide)s. *Macromolecules*, **1996**, 29, 4876-4879	5.5	19
175	Evaporation rate-based selection of supramolecular chirality. *Chemical Communications*, **2017**, 53, 3066-3069	5.8	18
174	Morphology and structure of ZIF-8 during crystallisation measured by dynamic angle-resolved second harmonic scattering. *Nature Communications*, **2018**, 9, 3418	17.4	18
173	Orientational changes of supported chiral 2,2'-dihydroxy-1,1'binaphthyl molecules. *Physical Chemistry Chemical Physics*, **2014**, 16, 7299-306	3.6	18
172	Parametric light scattering. *Journal of Chemical Physics*, **1994**, 101, 1745-1747	3.9	18
171	Second harmonic generation microscopy reveals hidden polar organization in fluoride doped MIL-53(Fe). *Dalton Transactions*, **2016**, 45, 4401-6	4.3	17
170	All Optical Determination of Microscopic and Macroscopic Structure of Chiral, Polar Microcrystals from Achiral, Nonpolar Molecules. *Journal of Physical Chemistry C*, **2012**, 116, 12219-12225	3.8	17
169	Nanostripe length dependence of plasmon-induced material deformations. *Optics Letters*, **2013**, 38, 2256-8	3.6	17
168	A joint theoretical-experimental investigation of the Faraday effect in benzene, toluene, and p-xylene. *ChemPhysChem*, **2006**, 7, 1654-6	3.2	17
167	Nonlinear optical active poly(adamantyl methacrylate-methyl vinyl urethane)s functionalised with phenyltetraene-bridged chromophore. *Polymer*, **2004**, 45, 19-24	3.9	17

166	Light-Polarization-Induced Optical Activity. *Physical Review Letters*, **1999**, 82, 3601-3604	7.4	17
165	Influence of the Supramolecular Organization on the Magnetic Properties of Poly(3-alkylthiophene)s in Their Neutral State. *Macromolecules*, **2011**, 44, 4911-4919	5.5	16
164	Differential detection for measurements of Faraday rotation by means of ac magnetic fields. *European Journal of Physics*, **2008**, 29, 1099-1104	0.8	16
163	Nonlinear optical study of helicenebisquinones. *Synthetic Metals*, **2000**, 115, 201-205	3.6	16
162	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. *Macromolecules*, **1996**, 29, 4871-4875	5.5	16
161	Magnetothermal release of payload from iron oxide/silica drug delivery agents. *Journal of Magnetism and Magnetic Materials*, **2016**, 416, 194-199	2.8	16
160	Novel synthesis of superparamagnetic plasmonic core-shell iron oxide-gold nanoparticles. *Physica B: Condensed Matter*, **2019**, 560, 85-90	2.8	15
159	Effect of operational parameters on the performance of a magnetic responsive biocatalytic membrane reactor. *Chemical Engineering Journal*, **2017**, 308, 853-862	14.7	15
158	Comparison of Two Synthesis Routes to Obtain Gold Nanoparticles in Polyimide. *Journal of Physical Chemistry C*, **2012**, 116, 115-125	3.8	15
157	Coherent and incoherent second harmonic generation in planar G-shaped nanostructures. *Optics Letters*, **2011**, 36, 3681-3	3	15
156	Ni-Catalyzed Polymerization of Poly(3-alkoxythiophene)s. *Macromolecular Chemistry and Physics*, **2011**, 212, 328-335	2.6	15
155	Optical second harmonic generation chiral spectroscopy. *ChemPhysChem*, **2009**, 10, 1431-4	3.2	15
154	In situ orientation-sensitive observation of molecular adsorption on a liquid/zeolite interface by second-harmonic generation. *Langmuir*, **2009**, 25, 4256-61	4	15
153	Chirality in nonlinear-optical response of planar G-shaped nanostructures. *Optics Express*, **2012**, 20, 8518-23	3.3	15
152	Poly(phenylquinoxalines) for second-order nonlinear optical applications. *Polymer*, **2005**, 46, 1784-1795	3.9	15
151	Point group symmetry determination via observables revealed by polarized second-harmonic generation microscopy: (2) applications. *Analytical Chemistry*, **2012**, 84, 6386-90	7.8	14
150	Synthesis, Chiroptical Behavior, and Sensing of Carboxylic Acid Functionalized Poly(phenylene ethynylene-alt-bithiophene)s. *Macromolecules*, **2010**, 43, 7412-7423	5.5	14
149	Characterization of magnetization-induced second harmonic generation in iron oxide polymer nanocomposites. *Applied Optics*, **2012**, 51, 209-13	1.7	14

148	Polymer materials for second-order non-linear optical applications. *Optical Materials*, **2003**, 21, 67-70	3.3	14
147	Second-Order Nonlinear Optics Based on Chiral Materials. *Optics and Photonics News*, **2000**, 11, 24	1.9	14
146	Ultrasmall Superparamagnetic Iron Oxide Nanoparticles with Europium(III) DO3A as a Bimodal Imaging Probe. *Chemistry - A European Journal*, **2016**, 22, 4521-7	4.8	14
145	Faraday Effect in Stacks of Aromatic Molecules. *Journal of Physical Chemistry C*, **2017**, 121, 15348-15352	3.8	13
144	Faraday rotation and its dispersion in the visible region for saturated organic liquids. *Physical Chemistry Chemical Physics*, **2012**, 14, 1860-4	3.6	13
143	Magnetic Properties of Substituted Poly(thiophene)s in Their Neutral State. *Macromolecules*, **2010**, 43, 2910-2915	5.5	13
142	Mapping of the organization of p-nitroaniline in SAPO-5 by second-harmonic generation microscopy. *Physical Chemistry Chemical Physics*, **2010**, 12, 10688-92	3.6	13
141	Synthesis and Properties of Chiral Donor-Embedded Polybinaphthalenes for Nonlinear Optical Applications. *Chemistry of Materials*, **2003**, 15, 2870-2872	9.6	13
140	Oxidation of solid gold in chloroform solutions of cetyltrimethylammonium bromide. *Inorganic Chemistry Communication*, **2005**, 8, 1075-1077	3.1	13
139	Chromophore functionalised maleimide copolymers with high poling stabilities of the nonlinear optical effect at elevated temperature. *Polymer*, **2001**, 42, 8511-8516	3.9	13
138	Harmonic light scattering study reveals structured clusters upon the supramolecular aggregation of regioregular poly(3-alkylthiophene). *Communications Chemistry*, **2019**, 2,	6.3	13
137	Resonance Enhancement of Nonlinear Optical Scattering in Monolayer-Protected Gold Clusters. *Journal of the American Chemical Society*, **2017**, 139, 14853-14856	16.4	12
136	Emergence of Nonlinear Optical Activity by Incorporation of a Linker Carrying the -Nitroaniline Motif in MIL-53 Frameworks. *Journal of Physical Chemistry C*, **2017**, 121, 25509-25519	3.8	12
135	Antibody-modified iron oxide nanoparticles for efficient magnetic isolation and flow cytometric determination of L. pneumophila. *Mikrochimica Acta*, **2015**, 182, 1439-1446	5.8	12
134	Role of Donor and Acceptor Substituents on the Nonlinear Optical Properties of Gold Nanoclusters. *Journal of Physical Chemistry C*, **2018**, 122, 4019-4028	3.8	12
133	Record-high hyperpolarizabilities in conjugated polymers. *Journal of Materials Chemistry C*, **2014**, 2, 4533-4538	7.1	12
132	High glass transition temperature chromophore functionalised poly(phenylquinoxalines) for nonlinear optics. *European Polymer Journal*, **2003**, 39, 969-976	5.2	12
131	Tunability of Size and Magnetic Moment of Iron Oxide Nanoparticles Synthesized by Forced Hydrolysis. *Materials*, **2016**, 9,	3.5	12

130	Second-Order Nonlinear Optical Scattering Properties of Phosphine-Protected Au20 Clusters. *Industrial & Engineering Chemistry Research*, **2016**, 55, 10500-10506	3.9	12
129	Magnetically induced Suzuki and Sonogashira reaction performed using recyclable, palladium-functionalized magnetite nanoparticles. *Journal of Organometallic Chemistry*, **2019**, 899, 120905	2.3	11
128	Chiral thin films of metal oxide. *Chemistry - A European Journal*, **2013**, 19, 10295-301	4.8	11
127	Chiral Side Groups Trigger Second Harmonic Generation Activity in 3D Octupolar Bipyrimidine-Based Organic Liquid Crystals. *Angewandte Chemie - International Edition*, **2017**, 56, 9546-9550	16.4	11
126	Potential theranostic and multimodal iron oxide nanoparticles decorated with rhenium-bipyridine and -phenanthroline complexes. *Journal of Materials Chemistry B*, **2015**, 3, 4370-4376	7.3	11
125	Influence of Structure of End-Group-Functionalized Poly(3-hexylthiophene) and Poly(3-octylselenophene) Anchored on Au Nanoparticles. *Macromolecules*, **2015**, 48, 8752-8759	5.5	11
124	Single- and multi-core FePt nanoparticles: from controlled synthesis via zwitterionic and silica bio-functionalization to MRI applications. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	11
123	Preparing polymer films doped with magnetic nanoparticles by spin-coating and melt-processing can induce an in-plane magnetic anisotropy. *Journal of Applied Physics*, **2011**, 109, 076105	2.5	11
122	Nonlinear optical properties of spincoated films of chiral polythiophenes. *Chemical Physics Letters*, **2005**, 404, 112-115	2.5	11
121	Magneto-optical harmonic susceptometry of superparamagnetic materials. *Applied Physics Letters*, **2013**, 102, 161903	3.4	10
120	Incorporation of a conjugated side-chain in regioregular polythiophenes: Chiroptical properties and selective oxidation. *Journal of Polymer Science Part A*, **2009**, 47, 1891-1900	2.5	10
119	Chirality in Poly(phenylene-alt-bithiophene)s: A Comprehensive Study of Their Behavior in Film and Nonsolvents. *Macromolecules*, **2007**, 40, 8142-8150	5.5	10
118	Poly(N-phenylmaleimide)- and poly(N-biphenylmaleimide)-urethanes, functionalised with NLO-phores for second-order nonlinear optical applications. *European Polymer Journal*, **2001**, 37, 2419-2424	5.2	10
117	Use of the Lognormal Distribution Function To Describe Orientational Relaxation in Optically Nonlinear Polymers. *Macromolecules*, **1996**, 29, 6310-6316	5.5	10
116	Regioregularity Increases Second-Order Nonlinear Optical Response of Polythiophenes in Solution. *Journal of Physical Chemistry C*, **2015**, 119, 18513-18517	3.8	9
115	Two-Step Directional Surface Modification of Iron Oxide Nanoparticles with Protected Siloxanes. *ChemPlusChem*, **2015**, 80, 50-53	2.8	9
114	A Nonlinear Optically Active Bismuth Camphorate Coordination Polymer. *European Journal of Inorganic Chemistry*, **2018**, 2018, 2437-2443	2.3	9
113	Synthesis and supramolecular organization of chiral poly(thiophene) magnetite hybrid nanoparticles. *Polymer Chemistry*, **2018**, 9, 3029-3036	4.9	9

112	Second Harmonic Generation in Core (Shell) Fe2O3 (Au) Nanoparticles. *Solid State Phenomena*, **2009**, 152-153, 508-511	0.4	9
111	Chromophore-Functionalized Poly(ether sulfone)s with High Poling Stabilities of the Nonlinear Optical Effect. *Macromolecular Chemistry and Physics*, **2004**, 205, 13-18	2.6	9
110	Laser ablation of gold in chloroform solutions of cetyltrimethylammoniumbromide. *Chemical Physics Letters*, **2003**, 382, 650-653	2.5	9
109	Selective protein purification by PEGIDA-functionalized iron oxide nanoparticles. *RSC Advances*, **2015**, 5, 66549-66553	3.7	8
108	Catechols as ligands for CdSeZnS quantum dots. *RSC Advances*, **2014**, 4, 10208	3.7	8
107	Broadband nonreciprocal quadrupolarization-induced asymmetric transmission (Q-AT) in plasmonic nanoparticle aggregates. *Advanced Materials*, **2015**, 27, 2485-8	24	8
106	Nonlinear optical enhancement caused by a higher order multipole mode of metallic triangles. *Journal of Materials Chemistry C*, **2015**, 3, 1576-1581	7.1	8
105	Engineering colloidal photonic crystals with magnetic functionalities. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2009**, 339, 13-19	5.1	8
104	Functionalized poly(phenylene-alt-bithiophenes): Synthesis, chiroptical properties, and interaction with chiral amines. *Journal of Polymer Science Part A*, **2008**, 46, 4817-4829	2.5	8
103	Efficient Faraday rotation in conjugated polymers **2006**, 6331, 274		8
102	Orientation of functional groups in polyelectrolyte multilayers studied by second-harmonic generation (SHG). *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2002**, 198-200, 275-280	5.1	8
101	Magnetic-dipole nonlinearities in chiral materials. *Journal of Photochemistry and Photobiology A: Chemistry*, **2001**, 145, 113-115	4.7	8
100	Circular-difference effects in second-harmonic generation from thin films. *Synthetic Metals*, **2001**, 124, 191-193	3.6	8
99	Nonlinear optical properties of chiral polymers. *Synthetic Metals*, **1996**, 81, 117-120	3.6	8
98	Molecular Power Spring: Circular Dichroism Inversion of Polythiophene Aggregates from the Right-Handed Helix to Left-Handed Helix. *Journal of Physical Chemistry B*, **2019**, 123, 2925-2929	3.4	7
97	Ligand-free, recyclable palladium-functionalized magnetite nanoparticles as a catalyst in the Suzuki-, Sonogashira, and Stille reaction. *Journal of Organometallic Chemistry*, **2019**, 904, 121005	2.3	7
96	Second Harmonic Generation Indicates a Better Si/Ge Interface Quality for Higher Temperature and With $hbox{N}_{2}$ Rather Than With $hbox{H}_{2}$ as the Carrier Gas. *IEEE Electron Device Letters*, **2011**, 32, 12-14	4.4	7
95	Second-harmonic generation-circular dichroism in thin films of a chiral poly(3-alkyl)thiophene. *Chemical Physics Letters*, **2007**, 450, 76-79	2.5	7

94	Donor-Embedded Polybinaphthalenes for Nonlinear Optical Applications: Influence of the Incorporation of a Double Bond. *Macromolecular Rapid Communications*, **2005**, 26, 905-910	4.8	7
93	The use of the Wagner function to describe poled-order relaxation processes in electrooptic polymers. *Chemical Physics Letters*, **1995**, 236, 253-258	2.5	7
92	Second harmonic generation in Langmuir-Blodgett films of preformed polymers. *Thin Solid Films*, **1992**, 210-211, 188-190	2.2	7
91	Tailoring atomic layer growth at the liquid-metal interface. *Nature Communications*, **2018**, 9, 4889	17.4	7
90	Sandwich approach toward inverse opals with linear and nonlinear optical functionalities. *ACS Applied Materials & Interfaces*, **2014**, 6, 3870-8	9.5	6
89	Feature issue introduction: chirality in optics. *Optical Materials Express*, **2014**, 4, 2663	2.6	6
88	Difference in the nonlinear optical response of epitaxial Si on Ge(100) grown from SiH4 at 500 °C and from Si3H8 at 350 °C due to segregation of Ge. *Applied Physics Letters*, **2009**, 94, 061123	3.4	6
87	Changing the three-dimensional magnetization exchange coupling of mixed Fe and V nanoclusters with hydrogen. *Journal of Applied Physics*, **2009**, 105, 114907	2.5	6
86	Molecular Symmetry and Solution-Phase Structure Interrogated by Hyper-Rayleigh Depolarization Measurements: Elaborating Highly Hyperpolarizable D2-Symmetric Chromophores. *Angewandte Chemie*, **2008**, 120, 3020-3023	3.6	6
85	Synthesis of Chiral Helical Chromophore-Functionalized Polybinaphthalenes. *Macromolecular Rapid Communications*, **2003**, 24, 413-419	4.8	6
84	Films grown from polyamines and reactive dyes by alternating polyelectrolyte adsorption/surface activation (CoMPAS). *Materials Science and Engineering C*, **1999**, 10, 107-113	8.3	6
83	Anisotropic floating monolayers of 2-docosylamino-5-nitropyridine studied by second-harmonic generation. *Chemical Physics Letters*, **1996**, 257, 285-288	2.5	6
82	Measurements of molecular hyperpolarizabilities using hyper-Rayleigh scattering **1993**, 1775, 206		6
81	Highly polarizable biaryl salts for liquid crystals and nonlinear optics: Synthesis and properties of a phenol/pyridinium triflate. *Advanced Materials*, **1994**, 6, 580-583	24	6
80	Linear and nonlinear optical effects in biophotonic structures using classical and nonclassical light. *Journal of Biophotonics*, **2019**, 12, e201800262	3.1	6
79	Fluorescence-Free Spectral Dispersion of the Molecular First Hyperpolarizability of Bacteriorhodopsin. *Journal of Physical Chemistry C*, **2017**, 121, 6909-6915	3.8	5
78	Nonlinear optical spectroscopy and two-photon excited fluorescence spectroscopy reveal the excited states of fluorophores embedded in a beetle's elytra. *Interface Focus*, **2019**, 9, 20180052	3.9	5
77	Faraday Rotation in Discotic Liquid Crystals by Long-Range Electron Movement. *Journal of Physical Chemistry C*, **2019**, 123, 9382-9387	3.8	5

76	The use of second-harmonic generation to study diffusion through films under a liquid phase. *ChemPhysChem*, **2010**, 11, 870-4	3.2	5
75	Application of Chiral Symmetries in Even-Order Nonlinear Optics. *ACS Symposium Series*, **2002**, 145-156	0.4	5
74	Second-order nonlinearity in mixed-valence metal chromophores **1994**,		5
73	Photoelastic modulator non-idealities in magneto-optical polarization measurements **2013**,		4
72	Linearly polarized second harmonic generation microscopy reveals chirality: erratum. *Optics Express* , **2011**, 19, 9242	3.3	4
71	Focus Issue Introduction: Chiral Optical Materials. *Optical Materials Express*, **2011**, 1, 3	2.6	4
70	Second-order nonlinear optical properties of nanocrystalline maghemite particles. *Chemical Physics Letters*, **2003**, 378, 101-104	2.5	4
69	Nonlinear optical properties of polymeric materials and polymer films: Recent developments and future trends. *Macromolecular Symposia*, **1996**, 102, 347-354	0.8	4
68	Nonlinear optical properties of polymers and thin polymer films. *Makromolekulare Chemie Macromolecular Symposia*, **1993**, 69, 193-203		4
67	Development of a Layered Hybrid Nanocomposite Material Using Bifunctionalized Polythiophenes. *Macromolecules*, **2020**, 53, 11098-11105	5.5	4
66	Plasmonic heating using an easily recyclable Pd-functionalized Fe3O4/Au core-shell nanoparticle catalyst for the Suzuki and Sonogashira reaction. *Applied Organometallic Chemistry*, **2020**, 34, e5648	3.1	4
65	Solvent Role in the Self-Assembly of Poly(3-alkylthiophene): A Harmonic Light Scattering Study. *Macromolecules*, **2021**, 54, 2477-2484	5.5	4
64	Ultrasonic Spray Coating as a Fast Alternative Technique for the Deposition of Hybrid Magnetic-Plasmonic Nanocomposites. *Advanced Engineering Materials*, **2018**, 20, 1800681	3.5	4
63	Magneto-optical activity in organic thin film materials. *Smart Materials and Structures*, **2016**, 25, 12LT01	3.4	3
62	Thin Films of Tolane Aggregates for Faraday Rotation: Materials and Measurement. *Coatings*, **2019**, 9, 669	2.9	3
61	Transferability of antibody pairs from ELISA to fiber optic surface plasmon resonance for infliximab detection **2015**,		3
60	Second-harmonic generation reveals the oxidation steps in semiconductor processing. *Journal of Applied Physics*, **2012**, 111, 064504	2.5	3
59	Circular dichroism in optical second harmonic generated in reflection from chiral G-shaped metamaterials. *Journal of Physics: Conference Series*, **2012**, 352, 012029	0.3	3

58	Tunneling of holes is observed by second-harmonic generation. *Applied Physics Letters*, **2013**, 102, 082104	3.4	3
57	Unraveling molecular architecture inside zeolites with second-harmonic generation microscopy **2010**,		3
56	Investigation of the conformation of hyperbranched poly(arylene oxindole)s using hyper-Rayleigh scattering. *Journal of Polymer Science Part A*, **2009**, 47, 3740-3747	2.5	3
55	Tuning the properties of colloidal magneto-photonic crystals by controlled infiltration with superparamagnetic magnetite nanoparticles **2012**,		3
54	Theoretical Evaluation of the Faraday Effect in Organic Compounds. *Computing Letters*, **2007**, 3, 193-200		3
53	Switchable Bragg gratings in photochromic-doped graded-index polymer optical fibers **2004**, 5279, 77		3
52	Magnetic-dipole susceptibilities in electric-field induced second-harmonic generation. *Optical Materials*, **2003**, 21, 7-10	3.3	3
51	Chiral effects in second-order nonlinear optics. *Molecular Crystals and Liquid Crystals*, **1998**, 315, 93-98		3
50	Second-harmonic generation from floating Langmuir layers of an azobenzene-functionalized copolymer. *Thin Solid Films*, **1994**, 242, 139-141	2.2	3
49	A Spectroscopic Study on the Nonlinear Optical Susceptibilities of Organic Molecules. *Acta Physica Polonica A*, **2007**, 112, 927-934	0.6	3
48	The Importance of Excellent □Interactions in Poly(thiophene)s To Reach a High Third-Order Nonlinear Optical Response. *Journal of Physical Chemistry B*, **2020**, 124, 9668-9679	3.4	3
47	Unraveling the Supramolecular Organization Mechanism of Chiral Star-Shaped Poly(3-alkylthiophene). *Macromolecules*, **2020**, 53, 9513-9520	5.5	3
46	Vortex-Induced Harmonic Light Scattering of Porphyrin J-Aggregates. *Journal of Physical Chemistry B*, **2021**, 125, 2690-2695	3.4	3
45	Catechol as a Universal Linker for the Synthesis of Hybrid Polyfluorene/Nanoparticle Materials. *Macromolecules*, **2021**, 54, 4582-4591	5.5	3
44	Synthesis of Poly(phenylene ethynylene) Using an Easily Recyclable Pd-Functionalized Magnetite Nanoparticle Catalyst. *Macromolecules*, **2020**, 53, 1998-2005	5.5	2
43	Electric-Field-Induced Second-Harmonic Generation Demonstrates Different Interface Properties of Molecular Beam Epitaxy Grown MgO on Si. *Journal of Physical Chemistry C*, **2014**, 118, 1919-1924	3.8	2
42	Ala-7, His-10 and Arg-12 are crucial amino acids for activity of a synthetically engineered □conotoxin. *Peptides*, **2014**, 53, 300-6	3.8	2
41	SHG/2PF microscopy of single and multi-layer graphene **2012**,		2

40	Second-harmonic generation from complex chiral samples **2013**,		2
39	Faraday rotation in magnetic colloidal photonic crystals **2009**,		2
38	Magnetic field sensing based on Faraday rotation in inorganic/polymer hybrid materials **2009**,		2
37	Second-harmonic generation as characterization tool for Ge/high-k dielectric interfaces **2012**,		2
36	Two-step synthesis of high aspect ratio gold nanorods. *Open Chemistry*, **2006**, 4, 160-165	1.6	2
35	Synthesis and nonlinear optical properties of preformed polymers forming Langmuir-Blodgett films **1991**, 1560, 353		2
34	Advent of Plasmonic Behavior: Dynamically Tracking the Formation of Gold Nanoparticles through Nonlinear Spectroscopy. *Chemistry of Materials*, **2020**, 32, 7327-7337	9.6	2
33	Enhanced electric field sensitivity of quantum dot/rod two-photon fluorescence and its relevance for cell transmembrane voltage imaging. *Nanophotonics*, **2021**, 10, 2407-2420	6.3	2
32	Investigation of the second hyperpolarizability of Ru-alkynyl complexes by z-scan and nonlinear scattering **2016**,		2
31	Conformational Changes of a Surface-Tethered Polymer during Radical Growth Probed with Second-Harmonic Generation. *Langmuir*, **2017**, 33, 4157-4163	4	1
30	Unveiling the nonlinear optical response of Trictenotoma childreni longhorn beetle. *Journal of Biophotonics*, **2019**, 12, e201800470	3.1	1
29	Enhancement of Nonlinear Optical Scattering by Gold Nanoparticles through Aggregation-Induced Plasmon Coupling in the Near-Infrared. *ChemPhysChem*, **2019**, 20, 1765-1774	3.2	1
28	Acoustic effects on nonlinear optical processes **2016**,		1
27	Optical second harmonic generation in a low-bandgap polymer. *Materials Chemistry and Physics*, **2014**, 147, 356-359	4.4	1
26	Fabrication of polymer inverse opals with linear and nonlinear optical functionalities using a sandwiching approach **2014**,		1
25	Optical properties of magnetic-plasmonic nanoparticle multilayers **2014**,		1
24	Spontaneous chirality in an octupolar discotic crystal **2011**,		1
23	Nonreciprocal silicon-organic nanophotonic structures **2011**,		1

22	Second harmonic hotspots at the edges of the unit cells in G-shaped gold nanostructures **2012**,		1
21	Core-shell nanoparticles as enhanced probes for imaging applications **2012**,		1
20	Chirally organized oligothiophenes: towards modeling interchain interactions within π-conjugated systems. *Chemistry - A European Journal*, **2010**, 16, 10963-7	4.8	1
19	A Study of Chirality in Gold Nanostructures with Second Harmonic Generation. *Acta Physica Polonica A*, **2009**, 116, 498-500	0.6	1
18	Chirality Effects in Second-Order Nonlinear Optics **1996**, 129-144		1
17	Effect of poly(thiophene)s topology on their third-order nonlinear optical response. *Polymer*, **2021**, 222, 123630	3.9	1
16	Intense Signal Modulation of Nonlinear Optical Scattering and Multiphoton Fluorescence by Ultrasound Irradiation. *Journal of Physical Chemistry C*, **2016**, 120, 29382-29389	3.8	1
15	Ultrasmall iron oxide nanoparticles functionalized with BODIPY derivatives as potential bimodal probes for MRI and optical imaging. *Nano Select*, **2021**, 2, 406-416	3.1	1
14	Spontaneous Symmetry Breaking: The Case of Crazy Clock and Beyond. *Symmetry*, **2022**, 14, 413	2.7	1
13	Label-Free Iron Oxide Nanoparticles as Multimodal Contrast Agents in Cells Using Multi-Photon and Magnetic Resonance Imaging.. *International Journal of Nanomedicine*, **2021**, 16, 8375-8389	7.3	1
12	Molecular dysprosium complexes for white-light and near-infrared emission controlled by the coordination environment. *Journal of Luminescence*, **2021**, 243, 118646	3.8	0
11	Plasmonics: Plasmon-Enhanced Sub-Wavelength Laser Ablation: Plasmonic Nanojets (Adv. Mater. 10/2012). *Advanced Materials*, **2012**, 24, OP28-OP28	24	
10	Chiral Side Groups Trigger Second Harmonic Generation Activity in 3D Octupolar Bipyrimidine-Based Organic Liquid Crystals. *Angewandte Chemie*, **2017**, 129, 9674-9678	3.6	
9	Determining the values of second-order surface nonlinearities by measurements with wave plates of different retardations. *Applied Optics*, **2009**, 48, 3030-4	0.2	
8	Supramolecular Enhancement of Second-Order Optical Nonlinearity. *Optics and Photonics News*, **1996**, 7, 18	1.9	
7	Nonlinear optical properties of bacteriorhodopsin **1993**, 1853, 233		
6	Hyper-Rayleigh Scattering (HRS) In Isotropic Media. *Materials Research Society Symposia Proceedings*, **1993**, 328, 565		
5	Mixed Electric-Magnetic Second Order Response of Helicenes **2019**, 769-770		

4	Chirality Effects in Second-Order Nonlinear Optics **1998**, 259-273	
3	Visualization and characterization of metallo-aggregates using multi-photon microscopy.. *RSC Advances*, **2020**, 11, 657-661	3.7
2	Label-Free Imaging of Membrane Potentials by Intramembrane Field Modulation, Assessed by Second Harmonic Generation Microscopy.. *Small*, **2022**, e2200205	11
1	Influence of the degree of polymerization and surface curvature on the supramolecular organization of fixated polythiophenes. *Polymer*, **2022**, 124846	3.9