

Sophie Brasselet

List of Publications by Year in descending order

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164
papers

5,731
citations

76031

42
h-index

100535

70
g-index

169
all docs

169
docs citations

169
times ranked

6435
citing authors

#	ARTICLE	IF	CITATIONS
1	4polar-STORM polarized super-resolution imaging of actin filament organization in cells. Nature Communications, 2022, 13, 301.	5.8	34
2	Septin filament compaction into rings requires the anillin Mid2 and contractile ring constriction. Cell Reports, 2022, 39, 110722.	2.9	8
3	Roadmap on bio-nano-photonics. Journal of Optics (United Kingdom), 2021, 23, 073001.	1.0	4
4	Lipidsâ€“Fluorophores Interactions Probed by Combined Nonlinear Polarized Microscopy. Journal of Physical Chemistry B, 2021, 125, 13718-13729.	1.2	1
5	Birefringent Fourier filtering for single molecule coordinate and height super-resolution imaging with dithering and orientation. Nature Communications, 2020, 11, 5307.	5.8	49
6	Coherent Anti-Stokes Raman Scattering Through Thick Biological Tissues by Single-Wavefront Shaping. Physical Review Applied, 2020, 14, .	1.5	10
7	Pyclen-Based Ln(III) Complexes as Highly Luminescent Bioprobes for <i>In Vitro</i> and <i>In Vivo</i> One- and Two-Photon Bioimaging Applications. Journal of the American Chemical Society, 2020, 142, 10184-10197.	6.6	68
8	Cationic Biphotonic Lanthanide Luminescent Bioprobes Based on Functionalized Cross-Bridged Cyclam Macrocycles. ChemPhysChem, 2020, 21, 1036-1043.	1.0	13
9	Brillouin microspectroscopy data of tissue-mimicking gelatin hydrogels. Data in Brief, 2020, 29, 105267.	0.5	5
10	Chromato-axial memory effect through a forward-scattering slab. Optica, 2020, 7, 338.	4.8	23
11	Label-Free Non-linear Multimodal Optical Microscopyâ€”Basics, Development, and Applications. Frontiers in Physics, 2019, 7, .	1.0	34
12	The role of APC-mediated actin assembly in microtubule capture and focal adhesion turnover. Journal of Cell Biology, 2019, 218, 3415-3435.	2.3	38
13	Collagen reorganization in cartilage under strain probed by polarization sensitive second harmonic generation microscopy. Journal of the Royal Society Interface, 2019, 16, 20180611.	1.5	57
14	Crystalline heterogeneity in single ferroelectric nanocrystals revealed by polarized nonlinear microscopy. Scientific Reports, 2019, 9, 1670.	1.6	11
15	Challenges and Trends in Optical Molecular Imaging. , 2019, , .		0
16	Image analysis applied to Brillouin images of tissue-mimicking collagen gels. Biomedical Optics Express, 2019, 10, 1329.	1.5	6
17	Enhanced second harmonic generation of gold nanostars: optimizing multipolar radiation to improve nonlinear properties. Optics Express, 2019, 27, 5620.	1.7	1
18	Focusing large spectral bandwidths through scattering media. Optics Express, 2019, 27, 28384.	1.7	15

#	ARTICLE	IF	CITATIONS
19	Manipulating the transmission matrix of scattering media for nonlinear imaging beyond the memory effect. <i>Optics Letters</i> , 2019, 44, 2137.	1.7	16
20	Polarization-Resolved Microscopy in the Life Sciences. <i>Optics and Photonics News</i> , 2019, 30, 34.	0.4	3
21	Fast polarization imaging in coherent Raman scattering for the observation of lipid order dynamics in real-time. , 2019, , .		0
22	Phosphoinositides regulate the TCR/CD3 complex membrane dynamics and activation. <i>Scientific Reports</i> , 2018, 8, 4966.	1.6	27
23	Effects of Excitonic Resonance on Second and Third Order Nonlinear Scattering from Few-Layer MoS ₂ . <i>ACS Photonics</i> , 2018, 5, 1235-1240.	3.2	25
24	Wide field fluorescence epi-microscopy behind a scattering medium enabled by speckle correlations. <i>Optics Express</i> , 2018, 26, 9866.	1.7	51
25	Polarization-resolved microscopy reveals a muscle myosin motor-independent mechanism of molecular actin ordering during sarcomere maturation. <i>PLoS Biology</i> , 2018, 16, e2004718.	2.6	42
26	Polarized Nonlinear Nanoscopy of Metal Nanostructures. <i>ACS Photonics</i> , 2017, 4, 292-301.	3.2	14
27	Near infrared two photon imaging using a bright cationic Yb(ⁱⁱⁱ) bioprobe spontaneously internalized into live cells. <i>Chemical Communications</i> , 2017, 53, 6005-6008.	2.2	62
28	Lipid Order Degradation in Autoimmune Demyelination Probed by Polarized Coherent Raman Microscopy. <i>Biophysical Journal</i> , 2017, 113, 1520-1530.	0.2	30
29	Polarized super-resolution structural imaging inside amyloid fibrils using Thioflavine T. <i>Scientific Reports</i> , 2017, 7, 12482.	1.6	52
30	Polarization recovery through scattering media. <i>Science Advances</i> , 2017, 3, e1600743.	4.7	60
31	Nonlinear optical susceptibility described with a spherical formalism applied to coherent anti-Stokes Raman scattering. <i>Physical Review A</i> , 2017, 96, .	1.0	4
32	Molecular symmetries by coherent Raman scattering. , 2017, , .		0
33	Quantifying the polarization properties of non-depolarizing optical elements with virtual distorting elements: publisher's note. <i>Applied Optics</i> , 2017, 56, 4827.	2.1	0
34	High-speed polarization-resolved coherent Raman scattering imaging. <i>Optica</i> , 2017, 4, 795.	4.8	34
35	Structural microscopy via engineered scattered light. , 2017, , .		0
36	Quantifying the polarization properties of non-depolarizing optical elements with virtual distorting elements. <i>Applied Optics</i> , 2017, 56, 2589.	2.1	1

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37	Advances in Intravital Non-Linear Optical Imaging of the Central Nervous System in Rodents. Brain Plasticity, 2016, 2, 31-48.	1.9	4
38	Direct imaging of molecular symmetry by coherent anti-stokes Raman scattering. Nature Communications, 2016, 7, 11562.	5.8	39
39	NIR-to-NIR Two-Photon Scanning Laser Microscopy Imaging of Single Nanoparticles Doped by Yb ^{III} Complexes. ChemPhysChem, 2016, 17, 128-135.	1.0	8
40	Enhanced nonlinear imaging through scattering media using transmission-matrix-based wave-front shaping. Physical Review A, 2016, 94, .	1.0	30
41	Publisher's Note: Enhanced nonlinear imaging through scattering media using transmission-matrix-based wave-front shaping [Phys. Rev. A 94 (2016)]. Physical Review A, 2016, 94, .	1.0	2
42	Quantitative nanoscale imaging of orientational order in biological filaments by polarized superresolution microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E820-8.	3.3	110
43	Detection of imprecise estimations for polarization-resolved second-harmonic generation microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 1353.	0.8	3
44	Simultaneous Determination of 3D Orientation and 3D Localization in Single Emitter Microscopy Imaging. , 2016, , .		1
45	Unexpected Efficiency of a Luminescent Samarium(III) Complex for Combined Visible and Near-Infrared Biphotonic Microscopy. Chemistry - A European Journal, 2015, 21, 17757-17761.	1.7	58
46	In Vivo Evaluation of Cervical Stiffness Evolution during Induced Ripening Using Shear Wave Elastography, Histology and 2 Photon Excitation Microscopy: Insight from an Animal Model. PLoS ONE, 2015, 10, e0133377.	1.1	23
47	Molecular Orientational Order Probed by Coherent Anti-Stokes Raman Scattering (CARS) and Stimulated Raman Scattering (SRS) Microscopy: A Spectral Comparative Study. Journal of Physical Chemistry B, 2015, 119, 3242-3249.	1.2	29
48	One-Photon Near-Infrared Sensitization of Well-Defined Yb(III) Surface Complexes for NIR-to-NIR Single Nanoparticle Imaging. Chemistry of Materials, 2015, 27, 2033-2039.	3.2	32
49	Quantitative analysis of light scattering in polarization-resolved nonlinear microscopy. Optics Express, 2015, 23, 8960.	1.7	19
50	Precision of polarization-resolved second harmonic generation microscopy limited by photon noise for samples with cylindrical symmetry. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 1437.	0.8	4
51	Septins promote F-actin ring formation by crosslinking actin filaments into curved bundles. Nature Cell Biology, 2014, 16, 322-334.	4.6	212
52	Structure of molecular packing probed by polarization-resolved nonlinear four-wave mixing and coherent anti-Stokes Raman-scattering microscopy. Physical Review A, 2014, 89, .	1.0	30
53	Filtering of matter symmetry properties by circularly polarized nonlinear optics. Physical Review A, 2014, 90, .	1.0	10
54	Near-IR Two Photon Microscopy Imaging of Silica Nanoparticles Functionalized with Isolated Sensitized Yb(III) Centers. Chemistry of Materials, 2014, 26, 1062-1073.	3.2	61

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55	Lipid Order Investigations Combined with Generalized Polarization Provide Deeper Insights into Plasma Membrane Architecture of Live Cells. <i>Biophysical Journal</i> , 2014, 106, 510a.	0.2	0
56	Polarized Resolved Single-Molecule Localization-Based Super-Resolution Fluorescence Microscopy Reveals Orientation Order in Bio-Molecular Assemblies. <i>Biophysical Journal</i> , 2014, 106, 203a-204a.	0.2	2
57	Ultimate Use of Two-Photon Fluorescence Microscopy to Map Orientational Behavior of Fluorophores. <i>Biophysical Journal</i> , 2014, 106, 2330-2339.	0.2	40
58	Mapping the Local Organization of Cell Membranes Using Excitation-Polarization-Resolved Confocal Fluorescence Microscopy. <i>Biophysical Journal</i> , 2013, 105, 127-136.	0.2	72
59	Polymorphism of CMONS Nanocrystals Grown in Silicate Particles through a Spray-Drying Process. <i>Crystal Growth and Design</i> , 2013, 13, 5241-5248.	1.4	6
60	Double quantum light emission from gold nanowires and interacting gold nanospheres. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
61	Thioflavine-T and Congo Red Reveal the Polymorphism of Insulin Amyloid Fibrils When Probed by Polarization-Resolved Fluorescence Microscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 784-788.	1.2	37
62	Two-photon excited luminescence of lanthanide complex in monolithic sol-gel hybrid material. <i>Journal of Luminescence</i> , 2013, 133, 175-179.	1.5	3
63	High frame-rate fluorescence confocal angle-resolved linear dichroism microscopy. <i>Review of Scientific Instruments</i> , 2013, 84, 053708.	0.6	26
64	Nanoscale optical properties of metal nanoparticles probed by Second Harmonic Generation microscopy. <i>Optics Express</i> , 2013, 21, 12318.	1.7	15
65	High symmetry orders probed by polarized Coherent Anti Stokes Raman Scattering and Four Wave Mixing. , 2013, , .		0
66	Imaging molecular organization of cell membranes and proteins assemblies using polarimetric fluorescence microscopy. , 2013, , .		0
67	Second harmonic generation and two-photon excitation fluorescence from individual nanocrystals of pyrazoline derivatives. , 2013, , .		0
68	Microscopic structural study of collagen aging in isolated fibrils using polarized second harmonic generation. <i>Journal of Biomedical Optics</i> , 2012, 17, 080506.	1.4	41
69	Precision increase with two orthogonal analyzers in polarization-resolved second-harmonic generation microscopy. <i>Optics Letters</i> , 2012, 37, 4173.	1.7	4
70	Investigation of Molecular and Protein Crystals by Three Photon Polarization Resolved Microscopy. <i>Physical Review Letters</i> , 2012, 108, 263901.	2.9	7
71	Polarization-resolved four-wave mixing microscopy for structural imaging in thick tissues. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 1541.	0.9	17
72	Advanced microscopy techniques for biological imaging. <i>International Journal of Nanotechnology</i> , 2012, 9, 548.	0.1	0

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73	Imaging Molecular Order in Cell Membranes by Polarization-Resolved Fluorescence Microscopy. Springer Series on Fluorescence, 2012, , 311-337.	0.8	7
74	Generic model of the molecular orientational distribution probed by polarization-resolved second-harmonic generation. Physical Review A, 2012, 85, .	1.0	65
75	Polarization resolved stimulated raman scattering: probing depolarization ratios of liquids. Journal of Raman Spectroscopy, 2012, 43, 419-424.	1.2	17
76	Ytterbium-Based Bioprobes for Near-Infrared Two-Photon Scanning Laser Microscopy Imaging. Angewandte Chemie - International Edition, 2012, 51, 6622-6625.	7.2	127
77	Octupolar Films with Large Second Harmonic Generation and Electro-Optical Effects. Advanced Functional Materials, 2012, 22, 788-796.	7.8	12
78	Light-Driven Directed Motion of Azobenzene-Coated Polymer Nanoparticles in an Aqueous Medium. Langmuir, 2011, 27, 7967-7971.	1.6	61
79	Probing Orientational Order of MHC Class I Protein and Lipids in Cell Membranes by Fluorescence Polarization-Resolved Microscopy Imaging. Biophysical Journal, 2011, 100, 616a.	0.2	0
80	Probing Orientational Behavior of MHC Class I Protein and Lipid Probes in Cell Membranes by Fluorescence Polarization-Resolved Imaging. Biophysical Journal, 2011, 101, 468-476.	0.2	25
81	Doped silica nanoparticles containing two-photon luminescent Eu(III) complexes for the development of water stable bio-labels. Journal of Materials Chemistry, 2011, 21, 18613.	6.7	20
82	Bright Luminescent Silica Nanoparticles for Two-Photon Microscopy Imaging via Controlled Formation of 4,4'-Diethylaminostyryl-2,2'-bipyridine Zn(II) Surface Complexes. Chemistry of Materials, 2011, 23, 3228-3236.	3.2	43
83	Optical parametric oscillator-based light source for coherent Raman scattering microscopy: practical overview. Journal of Biomedical Optics, 2011, 16, 1.	1.4	45
84	Polarization-resolved nonlinear microscopy: application to structural molecular and biological imaging. Advances in Optics and Photonics, 2011, 3, 205.	12.1	165
85	Electro-optic effect in crystalline films of transverse planar octupolar symmetry. Optics Express, 2011, 19, 7979.	1.7	4
86	Application of single-beam homodyne SPIDER for the control of complex spectral phase profiles. Optics Letters, 2011, 36, 805.	1.7	0
87	Precision analysis in polarization-resolved second harmonic generation microscopy. Optics Letters, 2011, 36, 2149.	1.7	24
88	Polarization and phase pulse shaping applied to nonlinear tensorial structure read-out. , 2010, , .		0
89	High Order Symmetry Structural Properties of Vibrational Resonances Using Multiple-Field Polarization Coherent Anti-Stokes Raman Spectroscopy Microscopy. Physical Review Letters, 2010, 105, 123903.	2.9	29
90	Polarization and phase pulse shaping applied to structural contrast in nonlinear microscopy imaging. Physical Review A, 2010, 81, .	1.0	29

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91	Polarization-resolved coherent anti-Stokes Raman scattering microscopy. , 2010, , .		0
92	Probing Molecular Order in Zeolite L Inclusion Compounds Using Two-Photon Fluorescence Polarimetric Microscopy. Journal of Physical Chemistry B, 2010, 114, 4192-4198.	1.2	30
93	Two-photon fluorescence correlation spectroscopy with high count rates and low background using dielectric microspheres. Biomedical Optics Express, 2010, 1, 1075.	1.5	16
94	Influence of birefringence on polarization resolved nonlinear microscopy and collagen SHG structural imaging. Optics Express, 2010, 18, 14859.	1.7	82
95	Enhanced second-harmonic generation from individual metallic nanoapertures. Optics Letters, 2010, 35, 4063.	1.7	39
96	Quantitative imaging of molecular order in lipid membranes using two-photon fluorescence polarimetry. , 2010, , .		0
97	Raman depolarization ratio of liquids probed by linear polarization coherent anti-Stokes Raman spectroscopy. Journal of Raman Spectroscopy, 2009, 40, 775-780.	1.2	12
98	Synthesis and Second Harmonic Generation Microscopy of Nonlinear Optical Efficient Hybrid Nanoparticles Embedded in Polymer Films. Evidence for Intra- and Internanoparticles Orientational Synergy. Journal of Physical Chemistry C, 2009, 113, 9092-9100.	1.5	17
99	Quantitative Imaging of Molecular Order in Lipid Membranes Using Two-Photon Fluorescence Polarimetry. Biophysical Journal, 2009, 97, 2854-2862.	0.2	60
100	Investigation of KTiOPO ₄ nanocrystals by means of second-harmonic light emission. Chinese Optics Letters, 2008, 6, 64-67.	1.3	0
101	Polarization distortion effects in polarimetric two-photon microscopy. Optics Express, 2008, 16, 20891.	1.7	39
102	Optically induced angular motion of single-molecules. Europhysics Letters, 2008, 84, 67005.	0.7	1
103	Photostable Single KTiOPO ₄ Nanocrystals for Second-Harmonic Generation Microscopy. , 2007, , .		1
104	Investigation of the second-harmonic light emission by KTiOPO ₄ nanometric-sized crystals as an in situ nonlinear nanosource. , 2007, , .		0
105	Defocused imaging of second harmonic generation from a single nanocrystal. Optics Express, 2007, 15, 16051.	1.7	56
106	Role of spatial distortions on the quadratic nonlinear optical properties of octupolar organic and metallo-organic molecules. Journal of Chemical Physics, 2007, 126, 034312.	1.2	24
107	Octupolar Films with Significant Second-Harmonic Generation. Advanced Materials, 2007, 19, 2107-2111.	11.1	15
108	Nonlinear polarimetry of molecular crystals down to the nanoscale. Comptes Rendus Physique, 2007, 8, 165-179.	0.3	42

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109	Nanophotonics for Biology. , 2007, , 665-748.		0
110	Electro-optical microscopy: mapping nonlinear polymer films with micrometric resolution. Optics Letters, 2006, 31, 1468.	1.7	14
111	Coherent detection of second harmonic generation in nonlinear optics. , 2006, 6195, 185.		0
112	Octupolar metal nanoparticles as coherently controlled nanomotors and second harmonic generators. , 2006, 6323, 143.		0
113	Second harmonic generation from individual hybrid MnPS3-based nanoparticles investigated by nonlinear microscopy. Chemical Physics Letters, 2006, 429, 533-537.	1.2	29
114	Octupolar metal nanoparticles as optically driven, coherently controlled nanorotors. Chemical Physics Letters, 2006, 433, 130-135.	1.2	11
115	Optically Tunable Nonlinearities in Polymers Based on Photoisomerizable Metal-Based Coordination Complexes. Advanced Functional Materials, 2006, 16, 2252-2262.	7.8	17
116	Balanced homodyne detection of second-harmonic generation from isolated subwavelength emitters. Applied Physics Letters, 2006, 89, 121118.	1.5	43
117	Electro-optical microscopy : A new technique to map electric fields in polymers and membranes with micrometer resolution. , 2006, , .		0
118	Nanometric scale investigation of the nonlinear efficiency of perhydrotriphenylene inclusion compounds. Chemical Physics, 2005, 318, 12-20.	0.9	29
119	Local orientational distribution of molecular monolayers probed by nonlinear microscopy. Chemical Physics Letters, 2005, 411, 98-102.	1.2	25
120	High Efficiency and Quadratic Nonlinear Optical Properties of a Fully Optimized 2D Octupolar Crystal Characterized by Nonlinear Microscopy. Advanced Materials, 2005, 17, 196-200.	11.1	50
121	Matching molecular and optical multipoles in photoisomerizable nonlinear systems. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 1276.	0.9	12
122	Encoding multipolar polarization patterns by optical poling in polymers: towards nonlinear optical memories. Optics Express, 2005, 13, 505.	1.7	24
123	Photo-induced rotation of single molecules. , 2005, 5929, 104.		0
124	Enhanced Second-Harmonic Generation by Metal Surfaces with Nanoscale Roughness: Nanoscale Dephasing, Depolarization, and Correlations. Physical Review Letters, 2004, 92, 057402.	2.9	157
125	Advances in polymer based photonics technology: microlasers, electrooptic devices, new concepts. , 2004, , .		0
126	All-Optical Orientation of Photoisomerizable Octupolar Zinc(II) Complexes in Polymer Films. Journal of the American Chemical Society, 2004, 126, 8386-8387.	6.6	55

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127	In SituDiagnostics of the Crystalline Nature of Single Organic Nanocrystals by Nonlinear Microscopy. Physical Review Letters, 2004, 92, 207401.	2.9	123
128	Enhanced second harmonic generation by nanorough surfaces: nanoscale depolarization, dephasing, correlations, and giant fluctuations. , 2004, , .		1
129	Coherent control of the optical nonlinear and luminescence anisotropies in molecular thin films by multiphoton excitations. Optics Letters, 2004, 29, 1242.	1.7	11
130	Nanoscale molecular nonlinear optics. , 2004, , .		0
131	Monitoring of Orientation in Molecular Ensembles by Polarization Sensitive Nonlinear Microscopy. Journal of Physical Chemistry B, 2003, 107, 12403-12410.	1.2	72
132	Local second-harmonic generation enhancement on gold nanostructures probed by two-photon microscopy. Optics Letters, 2003, 28, 713.	1.7	96
133	Translational Diffusion of Individual Class II MHC Membrane Proteinsin Cells. Biophysical Journal, 2002, 83, 2681-2692.	0.2	255
134	Photoinduced multipolar tensorial patterning in polymer films by coherent control of molecular orientation. Comptes Rendus Physique, 2002, 3, 479-492.	0.3	6
135	Molecular engineering of octupolar tris(bipyridyl) metal complexes. Synthetic Metals, 2001, 124, 185-189.	2.1	30
136	Investigation of new pushâ€pull pyridine-1-oxide derivatives as 1D NLO chromophores with vanishing dipole moment. Synthetic Metals, 2001, 124, 213-216.	2.1	3
137	First-order hyperpolarizabilities of multipolar molecules: experimental and theoretical analysis. , 2000, 4106, 222.		1
138	Fluorescence Behavior of Single-Molecule pH-Sensors. Single Molecules, 2000, 1, 17-23.	1.7	91
139	Nonlinear photonic engineering: from NLO as a goal to NLO as a tool. Comptes Rendus Physique, 2000, 1, 601-608.	0.1	1
140	Polymer-based microcavity with photoencoded quadratic nonlinearity. Optics Letters, 2000, 25, 1255.	1.7	10
141	Towards non-linear photonics in all-optically poled polymer microcavities. Synthetic Metals, 2000, 115, 109-119.	2.1	7
142	Single-Molecule Fluorescence Resonant Energy Transfer in Calcium Concentration Dependent Cameleon. Journal of Physical Chemistry B, 2000, 104, 3676-3682.	1.2	108
143	Noncentrosymmetric Triazolephthalocyanines as Second-Order Nonlinear Optical Materials. Journal of Physical Chemistry B, 2000, 104, 4295-4299.	1.2	27
144	Nonlinear Optical Properties of Redox-Active Mono-, Bi-, and Trimetallic ĩf-Acetylide Complexes Connected through a Phenyl Ring in the Cp*(dppe)Fe Series. An Example of Electro-switchable NLO Response. Organometallics, 2000, 19, 5235-5237.	1.1	140

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145	The Fluorescence Dynamics of Single Molecules of Green Fluorescent Protein. <i>Journal of Physical Chemistry A</i> , 1999, 103, 10553-10560.	1.1	139
146	Comparative assessment of electrical, photoassisted and all optical in-plane poling of polymer based electrooptic modulators. <i>Optical Materials</i> , 1999, 12, 215-219.	1.7	24
147	Towards highly efficient nonlinear optical chromophores: molecular engineering of octupolar molecules. <i>Optical Materials</i> , 1999, 12, 333-338.	1.7	36
148	New Octupolar Star-Shaped Structures for Quadratic Nonlinear Optics. <i>Chemistry of Materials</i> , 1999, 11, 1915-1920.	3.2	108
149	Steering non-centrosymmetry into the third dimension: crystal engineering of an octupolar nonlinear optical crystal. <i>Chemical Communications</i> , 1999, , 1639-1640.	2.2	55
150	Tetrahedral bipyridyl copper(I) complexes: a new class of non-dipolar chromophore for nonlinear optics. <i>Chemical Communications</i> , 1999, , 871-872.	2.2	50
151	Photoinduced multipolar symmetry breaking in multipolar nonlinear media: from molecular to photonic engineering. <i>Optical Materials</i> , 1998, 9, 307-312.	1.7	3
152	New non-dipolar structures with significant quadratic hyperpolarizabilities. <i>Optical Materials</i> , 1998, 9, 276-279.	1.7	16
153	Synthesis and Nonlinear Optical, Photophysical, and Electrochemical Properties of Subphthalocyanines. <i>Journal of the American Chemical Society</i> , 1998, 120, 12808-12817.	6.6	276
154	Design and Synthesis of New Octupolar Molecules for Second-Harmonic Generation. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 322, 35-42.	0.3	4
155	Crystal Engineering of Some 2,4,6-Triaryloxy-1,3,5-triazines: Octupolar Nonlinear Materials. <i>Journal of the American Chemical Society</i> , 1998, 120, 2563-2577.	6.6	211
156	A dual molecular and photonic engineering perspective in molecular nonlinear optics: ellipsometric control of optical poling. <i>Journal of Optics</i> , 1998, 7, 129-139.	0.5	3
157	Octupolar versus dipolar crystalline structures for nonlinear optics: A dual crystal and propagative engineering approach. <i>Journal of Chemical Physics</i> , 1998, 109, 658-669.	1.2	76
158	<title>New routes in molecular nonlinear optics: sol-gel-based hybrid structures and all-optical orientation</title>. , 1998, , .		3
159	Engineering of an octupolar non-linear optical crystal: tribenzyl isocyanurate. <i>Chemical Communications</i> , 1997, , 1841.	2.2	51
160	Design, Characterization, and Processing of Hybrid Organic~Inorganic Coatings with Very High Second-Order Optical Nonlinearities. <i>Chemistry of Materials</i> , 1997, 9, 1012-1020.	3.2	122
161	Control of the polarization dependence of optically poled nonlinear polymer films. <i>Optics Letters</i> , 1997, 22, 1464.	1.7	53
162	Subphthalocyanines: Novel Targets for Remarkable Second-Order Optical Nonlinearities. <i>Journal of the American Chemical Society</i> , 1996, 118, 2746-2747.	6.6	146

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163	[n]-Polyenovanillins (n = 1âˆ’6) as New Pushâˆ’Pull Polyenes for Nonlinear Optics:â€™ Synthesis, Structural Studies, and Experimental and Theoretical Investigation of Their Spectroscopic Properties, Electronic Structures, and Quadratic Hyperpolarizabilities. Chemistry of Materials, 1996, 8, 890-906.	3.2	24
164	Steering molecules by multiphoton coherent control: applications to NLO and luminescent patterns. , 0, , .		0