

Marek J Samoc

List of Publications by Year in descending order

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13,029
citations

19657

61
h-index

42399

92
g-index

399
all docs

399
docs citations

399
times ranked

11205
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear optical properties, upconversion and lasing in metal-organic frameworks. <i>Chemical Society Reviews</i> , 2017, 46, 4976-5004.	38.1	493
2	Organometallic Complexes in Nonlinear Optics I: Second-Order Nonlinearities. <i>Advances in Organometallic Chemistry</i> , 1998, 42, 291-362.	1.0	373
3	Neodymium(III) doped fluoride nanoparticles as non-contact optical temperature sensors. <i>Nanoscale</i> , 2012, 4, 6959.	5.6	333
4	Organometallic Complexes for Nonlinear Optics. 30.1 Electrochromic Linear and Nonlinear Optical Properties of Alkynylbis(diphosphine)ruthenium Complexes. <i>Journal of the American Chemical Society</i> , 2003, 125, 602-610.	13.7	199
5	Metal alkynyl complexes as switchable NLO systems. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2530-2541.	18.8	177
6	Organometallic Complexes for Nonlinear Optics. 16.1 Second and Third Order Optical Nonlinearities of Octopolar Alkynylruthenium Complexes. <i>Journal of the American Chemical Society</i> , 1999, 121, 1405-1406.	13.7	176
7	Electrochemical Switching of the Cubic Nonlinear Optical Properties of an Aryldiethynyl-Linked Heterobimetallic Complex between Three Distinct States. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7376-7379.	13.8	168
8	Organometallic Complexes for Nonlinear Optics. 17.1 Synthesis, Third-Order Optical Nonlinearities, and Two-Photon Absorption Cross Section of an Alkynylruthenium Dendrimer. <i>Organometallics</i> , 1999, 18, 5195-5197.	2.3	167
9	Organometallic Complexes in Nonlinear Optics II: Third-Order Nonlinearities and Optical Limiting Studies. <i>Advances in Organometallic Chemistry</i> , 1999, 43, 349-405.	1.0	167
10	Femtosecond Z-scan and degenerate four-wave mixing measurements of real and imaginary parts of the third-order nonlinearity of soluble conjugated polymers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 817.	2.1	158
11	Switching the Cubic Nonlinear Optical Properties of an Electrochromic and Photochromic Ruthenium Alkynyl Complex Across Six States. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7867-7870.	13.8	147
12	Two-photon absorption and photoluminescence of colloidal gold nanoparticles and nanoclusters. <i>Chemical Society Reviews</i> , 2019, 48, 4087-4117.	38.1	146
13	Up-conversion FRET from Er ³⁺ /Yb ³⁺ :NaYF ₄ Nanophosphor to CdSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17535-17541.	3.1	137
14	Organometallic Complexes for Nonlinear Optics. 22.1 Quadratic and Cubic Hyperpolarizabilities of trans-Bis(bidentate phosphine)ruthenium π -Arylvinylidene and π -Arylalkynyl Complexes. <i>Organometallics</i> , 2001, 20, 4664-4675.	2.3	136
15	Organotransition Metal Complexes for Nonlinear Optics. <i>Advances in Organometallic Chemistry</i> , 2007, , 61-136.	1.0	132
16	Dynamics of third-order nonlinear optical processes in Langmuir-Blodgett and evaporated films of phthalocyanines. <i>Journal of Chemical Physics</i> , 1990, 92, 2019-2024.	3.0	128
17	Twisted π -System Chromophores for All-Optical Switching. <i>Journal of the American Chemical Society</i> , 2011, 133, 6675-6680.	13.7	128
18	Third-order nonlinearity and two-photon-induced molecular dynamics: Femtosecond time-resolved transient absorption, Kerr gate, and degenerate four-wave mixing studies in poly(π -phenylene) Tj ETQq0 0 0 rg BT/Overlock 10 Tf 50		

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19	Electrochemical, Spectroelectrochemical, and Molecular Quadratic and Cubic Nonlinear Optical Properties of Alkynylruthenium Dendrimers ¹ . <i>Journal of the American Chemical Society</i> , 2006, 128, 10819-10832.	13.7	115
20	Dispersion of the Third-Order Nonlinear Optical Properties of an Organometallic Dendrimer ¹ . <i>Journal of the American Chemical Society</i> , 2004, 126, 12234-12235.	13.7	111
21	Two-Photon and Three-Photon Absorption in an Organometallic Dendrimer. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 731-733.	13.8	111
22	Bridged Triphenylamine-Based Dendrimers: Tuning Enhanced Two-Photon Absorption Performance with Locked Molecular Planarity. <i>Organic Letters</i> , 2009, 11, 1-4.	4.6	111
23	Organometallic Complexes for Nonlinear Optics. 24. Reversible Electrochemical Switching of Nonlinear Absorption. <i>Journal of Physical Chemistry A</i> , 2001, 105, 9625-9627.	2.5	109
24	Optical nonlinearities of organometallic structures: aryl and vinyl derivatives of ferrocene. <i>The Journal of Physical Chemistry</i> , 1990, 94, 2847-2851.	2.9	104
25	Study of third-order microscopic optical nonlinearities in sequentially built and systematically derivatized structures. <i>The Journal of Physical Chemistry</i> , 1989, 93, 7916-7920.	2.9	103
26	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2002, 642, 259-267.	1.8	97
27	Third-order optical nonlinearities of oligomers, dendrimers and polymers derived from solution Z-scan studies. <i>Optical Materials</i> , 2003, 21, 485-488.	3.6	95
28	Organometallic Complexes for Nonlinear Optics. 11.1 Molecular Quadratic and Cubic Hyperpolarizabilities of Systematically Varied (Cyclopentadienyl)(triphenylphosphine)nickel η^5 -Arylacetylides. <i>Organometallics</i> , 1997, 16, 2631-2637.	2.3	91
29	Co/ZIF-8 Heterometallic Nanoparticles: Control of Nanocrystal Size and Properties by a Mixed-Metal Approach. <i>Crystal Growth and Design</i> , 2016, 16, 6419-6425.	3.0	90
30	Multiphoton absorption in amyloid protein fibres. <i>Nature Photonics</i> , 2013, 7, 969-972.	31.4	88
31	Charge Carrier Transport in Poly(N-vinylcarbazole):CdS Quantum Dot Hybrid Nanocomposite. <i>Journal of Physical Chemistry B</i> , 2004, 108, 1556-1562.	2.6	87
32	Enhancement of the photovoltaic performance in PbS nanocrystal:P3HT hybrid composite devices by post-treatment-driven ligand exchange. <i>Nanotechnology</i> , 2009, 20, 095202.	2.6	87
33	Nonlinear optical properties of the fullerene (C ₆₀) molecule: theoretical and experimental studies. <i>The Journal of Physical Chemistry</i> , 1992, 96, 5206-5208.	2.9	86
34	Independent Switching of Cubic Nonlinear Optical Properties in a Ruthenium Alkynyl Cruciform Complex by Employing Protic and Electrochemical Stimuli. <i>Journal of the American Chemical Society</i> , 2007, 129, 11882-11883.	13.7	84
35	Third-Order Nonlinear Optical Properties of Colloidal Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13731-13737.	3.1	83
36	Organometallic Complexes for Nonlinear Optics. 45. Dispersion of the Third-Order Nonlinear Optical Properties of Triphenylamine-Cored Alkynylruthenium Dendrimers. <i>Advanced Materials</i> , 2009, 21, 2318-2322.	21.0	81

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37	Length-Dependent Convergence and Saturation Behavior of Electrochemical, Linear Optical, Quadratic Nonlinear Optical, and Cubic Nonlinear Optical Properties of Dipolar Alkynylruthenium Complexes with Oligo(phenyleneethynylene) Bridges. <i>Journal of the American Chemical Society</i> , 2009, 131, 10293-10307.	13.7	80
38	Low-loss waveguides in ultrafast laser-deposited As ₂ S ₃ chalcogenide films. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 1844.	2.1	79
39	Multi-Photon Absorption in Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14743-14748.	13.8	79
40	Optical gain in different silicon nanocrystal systems. <i>Optical Materials</i> , 2005, 27, 745-749.	3.6	77
41	Metaphotonics: An emerging field with opportunities and challenges. <i>Physics Reports</i> , 2015, 594, 1-60.	25.6	76
42	Organometallic Complexes for Nonlinear Optics. 33.1 Electrochemical Switching of the Third-Order Nonlinearity Observed by Simultaneous Femtosecond Degenerate Four-Wave Mixing and Pump-Probe Measurements. <i>Journal of Physical Chemistry A</i> , 2003, 107, 11264-11266.	2.5	73
43	Biological pH sensing based on surface enhanced Raman scattering through a 2-aminothiophenol-silver probe. <i>Biosensors and Bioelectronics</i> , 2008, 23, 886-891.	10.1	72
44	Dispersion of the Third-Order Nonlinear Optical Properties of Triphenylamine-Cored Alkynylruthenium Dendrimers. Increasing the Nonlinear Response by Two Orders of Magnitude. <i>Advanced Materials</i> , 2011, 23, 1433-1435.	21.0	72
45	Spectrally resolved size-dependent third-order nonlinear optical properties of colloidal CdSe quantum dots. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	72
46	Organometallic complexes for nonlinear optics. X. Molecular quadratic and cubic hyperpolarizabilities of systematically varied (cyclopentadienyl)bis(phosphine) ruthenium η^5 -arylacetylides: X-ray crystal structure of Ru((E)-4,4'-C ₆ H ₄ CHC ₆ H ₄ NO ₂)(PPh ₃) ₂ (η^5 -C ₅ H ₅). <i>Journal of Organometallic Chemistry</i> , 1997, 549, 127-137.	1.8	71
47	Laser-deposited As ₂ S ₃ chalcogenide films for waveguide applications. <i>Applied Surface Science</i> , 2002, 197-198, 481-485.	6.1	71
48	Third-Order Nonlinear Optical Properties of Some Electron-Rich Iron Mono- and Trinuclear Alkynyl Complexes. <i>Organometallics</i> , 2005, 24, 4280-4288.	2.3	70
49	Refractive-index anisotropy and optical dispersion in films of deoxyribonucleic acid. <i>Journal of Applied Polymer Science</i> , 2007, 105, 236-245.	2.6	70
50	Organometallic Complexes for Nonlinear Optics. 4. Cubic Hyperpolarizabilities of (Cyclopentadienyl)bis(phosphine)ruthenium σ -Arylacetylides. <i>Organometallics</i> , 1995, 14, 5493-5495.	2.3	69
51	Tuning the properties of poly(p-phenylenevinylene) for use in all-optical switching. <i>Optics Letters</i> , 1995, 20, 1241.	3.3	68
52	Linear and nonlinear optical properties of a ladder poly(p-phenylene) polymer. <i>Synthetic Metals</i> , 1997, 87, 197-200.	3.9	66
53	Syntheses, Structure, and Molecular Cubic Hyperpolarizabilities of Systematically Varied Ethynylgold(I) Complexes. <i>Organometallics</i> , 2000, 19, 2968-2974.	2.3	66
54	Cubic Nonlinear Optical Properties of Platinum-Terminated Polyynediyl Chains. <i>Inorganic Chemistry</i> , 2008, 47, 9946-9957.	4.0	66

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55	Molecular Cubic Hyperpolarizabilities of Systematically Varied(Triphenylphosphane)â€“gold-Ïƒ-Arylalkynyl Complexes. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 370-371.	4.4	64
56	Electronâ€“Rich Iron/Ruthenium Arylalkynyl Complexes for Thirdâ€“Order Nonlinear Optics: Redoxâ€“Switching between Three States. <i>Chemistry - A European Journal</i> , 2011, 17, 5561-5577.	3.3	64
57	Studies of third-order optical nonlinearities of model compounds containing benzothiazole, benzimidazole and benzoxazole units. <i>Chemistry of Materials</i> , 1990, 2, 670-678.	6.7	62
58	Organometallic complexes for non-linear optics VII. Cubic optical non-linearities of octahedral trans-bis{bis(diphenylphosphino)methane}ruthenium acetylide complexes; X-ray crystal structure of trans-[Ru(Ci-1/4CPH)(4-Ci-1/4CC6H4NO2)(dppm)2]. <i>Journal of Organometallic Chemistry</i> , 1996, 526, 99-103.	1.8	62
59	Robust Microstructures Using UV Photopatternable Semiconductor Nanocrystals. <i>Nano Letters</i> , 2008, 8, 3262-3265.	9.1	62
60	Third-order nonlinear optical organic materials for photonic switching. <i>Current Opinion in Solid State and Materials Science</i> , 1997, 2, 213-219.	11.5	61
61	Saturable absorption in poly(indenofluorene):?a picket-fence polymer. <i>Optics Letters</i> , 1998, 23, 1295.	3.3	61
62	Synthesis, Structure, and Optical-Limiting Properties of Heterobimetallic [M3CuS4] Cuboidal Clusters (M = Mo or W) with Terminal Phosphine Ligands. <i>Inorganic Chemistry</i> , 2001, 40, 6132-6138.	4.0	61
63	Combining Very Large Quadratic and Cubic Nonlinear Optical Responses in Extended, Tris-Chelate Metallochromophores with Six Ïƒ-Conjugated Pyridinium Substituents. <i>Journal of the American Chemical Society</i> , 2010, 132, 3496-3513.	13.7	61
64	Post-synthesis reshaping of gold nanorods using a femtosecond laser. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 71-78.	2.8	61
65	Organometallic Complexes for Nonlinear Optics. 28.1Dimensional Evolution of Quadratic and Cubic Optical Nonlinearities in Stilbenylethynylruthenium Complexes. <i>Organometallics</i> , 2002, 21, 2024-2026.	2.3	60
66	Syntheses and NLO properties of metal alkynyl dendrimers. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2025-2038.	18.8	60
67	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2003, 670, 56-65.	1.8	59
68	Nonlinear Optical and Two-Photon Absorption Properties of Octupolar Tris(bipyridyl)metal Complexes. <i>Journal of Physical Chemistry A</i> , 2007, 111, 8980-8985.	2.5	59
69	Dynamics of thirdâ€“order nonlinearity of canthaxanthin carotenoid by the optically heterodyned phaseâ€“tuned femtosecond optical Kerr gate. <i>Journal of Chemical Physics</i> , 1993, 98, 2524-2533.	3.0	58
70	Syntheses and quadratic hyperpolarizabilities of some (pyridylalkynyl)metal complexes: crystal structures of [Ni{2-(Ci-1/4C)C5H3NNO2-5}(PPh3)(i-C5H5)], [Au{2-(Ci-1/4C)C5H3NNO2-5}(PPh3)] and [Au{2-(Ci-1/4C)C5H4N}(PPh3)]â€“Sâ€“i. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 4167-4174.	1.1	57
71	Supercontinuum generation with optical vortices. <i>Optics Express</i> , 2010, 18, 18368.	3.4	57
72	Shaping Luminescent Properties of Yb³⁺ and Ho³⁺ Coâ€“Doped Upconverting Coreâ€“Shell Î²â€“NaYF₄ Nanoparticles by Dopant Distribution and Spacing. <i>Small</i> , 2017, 13, 1701635.	10.0	57

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73	Comparison of the Linear and Nonlinear Optical Properties of Poly(p-phenylenevinylene)/Solâ€³Gel Composites Derived from Tetramethoxysilane and Methyltrimethoxysilane. <i>Chemistry of Materials</i> , 1996, 8, 2586-2594.	6.7	56
74	Synthesis and Nonlinear Optical Properties of $\hat{1}$ -5-Monocyclopentadienyliron(II) Acetylide Derivatives. X-ray Crystal Structures of [Fe($\hat{1}$ -5-C ₅ H ₅)(DPPE)(p-C ₆ H ₄ NO ₂)] and [Fe($\hat{1}$ -5-C ₅ H ₅)(DPPE)((E)-p-C ₆ H ₄ C(H)C(H)C ₆ H ₄ NO ₂)]. <i>Organometallics</i> , 2002, 21, 2107-2118.	2.3	56
75	Wavelength dependence of nonlinear optical properties of colloidal CdS quantum dots. <i>Nanoscale</i> , 2013, 5, 2388.	5.6	55
76	Dodecanuclearâ€”Ellipse and Decanuclearâ€”Wheel Nickel(II) Thiolato Clusters with Efficient Femtosecond Nonlinear Absorption. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4209-4212.	13.8	53
77	Influence of twoâ€”photon absorption on thirdâ€”order nonlinear optical processes as studied by degenerate fourâ€”wave mixing: The study of soluble didecyloxy substituted polyphenyls. <i>Journal of Chemical Physics</i> , 1991, 95, 3991-4001.	3.0	52
78	Determining the 3D orientation of optically trapped upconverting nanorods by <i>in situ</i> single-particle polarized spectroscopy. <i>Nanoscale</i> , 2016, 8, 300-308.	5.6	52
79	Efficient triboluminescence in n-isopropylcarbazole. <i>Chemical Physics Letters</i> , 1983, 94, 270-271.	2.6	50
80	A quantum chemical approach to the design of chiral negative index materials. <i>Optics Express</i> , 2007, 15, 5730.	3.4	50
81	Giant enhancement of upconversion in ultra-small Er ³⁺ /Yb ³⁺ :NaYF ₄ nanoparticles via laser annealing. <i>Nanotechnology</i> , 2012, 23, 145705.	2.6	50
82	Nonlinear optical response of Ge nanocrystals in a silica matrix. <i>Applied Physics Letters</i> , 1999, 74, 239-241.	3.3	49
83	An investigation of the Poole-Frenkel effect by the thermally stimulated current technique. <i>Journal Physics D: Applied Physics</i> , 1977, 10, L105-L107.	2.8	48
84	Deoxyribonucleic acid-based photochromic material for fast dynamic holography. <i>Applied Physics Letters</i> , 2007, 91, 041118.	3.3	48
85	Photophysical, amplified spontaneous emission and charge transport properties of oligofluorene derivatives in thin films. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16941-16956.	2.8	48
86	Three-Photon Absorption of Coordination Polymer Transforms UV-to-VIS Thermometry into NIR-to-VIS Thermometry. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10435-10441.	8.0	48
87	Charge carrier mobility in an organic-inorganic hybrid nanocomposite. <i>Applied Physics Letters</i> , 2003, 82, 406-408.	3.3	47
88	Bio-mediated synthesis, characterization and cytotoxicity of gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29014-29019.	2.8	47
89	Organometallic complexes for nonlinear optics. Part 29. Quadratic and cubic hyperpolarizabilities of stilbenylethynylâ€”gold and -ruthenium complexes. <i>Inorganica Chimica Acta</i> , 2003, 350, 62-76.	2.4	46
90	Polymeric nanocapsules with up-converting nanocrystals cargo make ideal fluorescent bioprobes. <i>Scientific Reports</i> , 2016, 6, 29746.	3.3	45

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91	Two-Photon Absorption Properties of Iron(II) and Ruthenium(II) Trischelate Complexes of 2,2',4,4'-tetrakis(4-quinolyl)quaterpyridinium Ligands. <i>Journal of Physical Chemistry A</i> , 2007, 111, 472-478.	2.5	44
92	Photochromic switching of the DNA helicity induced by azobenzene derivatives. <i>Scientific Reports</i> , 2016, 6, 28605.	3.3	42
93	Syntheses, Structures and Nonlinear Optical Properties of Ferrocenyl Complexes with Arylethenyl Substituents. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 2113-2122.	2.0	40
94	Modified Z-scan techniques for investigations of nonlinear chiroptical effects. <i>Optics Express</i> , 2004, 12, 5209.	3.4	40
95	Complex nonlinear refractive index of DNA. <i>Chemical Physics Letters</i> , 2006, 431, 132-134.	2.6	39
96	Fluorescence resonance energy transfer in a non-conjugated system of CdSe quantum dots/zinc-phthalocyanine. <i>Journal of Luminescence</i> , 2010, 130, 2487-2490.	3.1	39
97	pH-Induced transformation of ligated Au ₂₅ to brighter Au ₂₃ nanoclusters. <i>Nanoscale</i> , 2018, 10, 11335-11341.	5.6	39
98	Dynamics of resonant third-order optical nonlinearity in perylene tetracarboxylic dianhydride studied by monitoring first- and second-order diffractions in subpicosecond degenerate four-wave mixing. <i>Journal of Chemical Physics</i> , 1989, 91, 6643-6649.	3.0	38
99	Resonant third-order nonlinear optical properties of poly(3-dodecylthiophene). <i>Journal of Chemical Physics</i> , 1990, 92, 2756-2761.	3.0	38
100	Enhancement of Two-Photon Absorption Cross Section in CdSe Quantum Rods. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17914-17921.	3.1	38
101	A closer look at two-photon absorption, absorption saturation and nonlinear refraction in gold nanoclusters. <i>RSC Advances</i> , 2016, 6, 98748-98752.	3.6	38
102	Third-order optical nonlinearities of model compounds containing benzobisthiazole, benzobisoxazole, and benzbisimidazole units. <i>Chemistry of Materials</i> , 1991, 3, 864-871.	6.7	37
103	Bragg gratings in silicon-on-insulator waveguides by focused ion beam milling. <i>Applied Physics Letters</i> , 2004, 85, 4860-4862.	3.3	37
104	Photo-structuring of As ₂ S ₃ glass by femtosecond irradiation. <i>Optics Express</i> , 2006, 14, 7751.	3.4	37
105	All-Optical Poling and Two-Photon Absorption in Heterocyclic Azo Dyes with Different Side Groups. <i>Journal of Physical Chemistry C</i> , 2019, 123, 725-734.	3.1	37
106	Two-photon absorption and two-photon-induced isomerization of azobenzene compounds. <i>RSC Advances</i> , 2020, 10, 40489-40507.	3.6	37
107	Nonlinear Optical Properties of Emerging Nano- and Microcrystalline Materials. <i>Advanced Optical Materials</i> , 2021, 9, 2100216.	7.3	37
108	Photoconductivity in crystals of charge-transfer complex anthracene-tetracyanobenzene. <i>Journal of Chemical Physics</i> , 1983, 78, 1924-1930.	3.0	36

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109	Synthesis, optical and nonlinear optical properties of new pyrazoline derivatives. <i>Dyes and Pigments</i> , 2014, 102, 63-70.	3.7	36
110	Synthesis and Linear and Nonlinear Optical Properties of Three Push-Pull Oxazol-5(4 <i>H</i>)-one Compounds. <i>Journal of Organic Chemistry</i> , 2015, 80, 9641-9651.	3.2	36
111	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2000, 610, 71-79.	1.8	35
112	Organometallic complexes for nonlinear optics. 37: Synthesis and third-order nonlinear optical properties of a hexarutheniumtriplatinum dendrimer. <i>Polyhedron</i> , 2007, 26, 284-289.	2.2	35
113	Organometallic Complexes for Nonlinear Optics. 42. Syntheses, Linear, and Nonlinear Optical Properties of Ligated Metal-Functionalized Oligo(<i>p</i> -phenyleneethynylene)s. <i>Inorganic Chemistry</i> , 2009, 48, 6534-6547.	4.0	35
114	Quadratic and Cubic Nonlinear Optical Properties of Salts of Diquat-Based Chromophores with Diphenylamino Substituents. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12028-12041.	2.5	35
115	Linear Optical and Third-Order Nonlinear Optical Properties of Some Fluorenyl- and Triarylamine-Containing Tetracyanobutadiene Derivatives. <i>Chemistry - A European Journal</i> , 2016, 22, 10155-10167.	3.3	35
116	Gallium transformation under femtosecond laser excitation: Phase coexistence and incomplete melting. <i>Physical Review B</i> , 2004, 70, .	3.2	34
117	Fingerprints of Through-Bond and Through-Space Exciton and Charge π -Electron Delocalization in Linearly Extended [2.2]Paracyclophanes. <i>Journal of the American Chemical Society</i> , 2017, 139, 3095-3105.	13.7	34
118	Synthesis and Third-Order Nonlinear Optical Properties of End-Functionalized Oligo-Phenylenevinylenes. <i>Chemistry of Materials</i> , 2002, 14, 2999-3004.	6.7	33
119	Styryl dye possessing donor-acceptor structure π Synthesis, spectroscopic and computational studies. <i>Dyes and Pigments</i> , 2013, 99, 673-685.	3.7	33
120	Organometallic complexes for non-linear optics XII syntheses and second-order susceptibilities of (neomenthyl)diphenylphosphine gold π -arylacetylides: X-ray crystal structures of Au(C ₆ H ₅) ₂ (nmdpp) and Au((E)-4,4'-dicyano-1,3-butadiene)(nmdpp). <i>Journal of Organometallic Chemistry</i> , 1997, 544, 189-196.	1.8	32
121	Synthesis and third-order nonlinear optical properties of [Mo ₃ (S) ₄] ⁴⁺ clusters with maleonitriledithiolate, oxalate and thiocyanate ligands. <i>Dalton Transactions</i> , 2003, , 4546-4551.	3.3	32
122	Two-Photon Solvatochromism II: Experimental and Theoretical Study of Solvent Effects on the Two-Photon Absorption Spectrum of Reichardt's Dye. <i>ChemPhysChem</i> , 2013, 14, 3731-3739.	2.1	32
123	Solid state synthesis, structure and optical limiting properties of seleno cuboidal clusters [M ₃ Se ₄ X ₃ (diphosphine) ₃] ⁺ (M=Mo, W; X=Cl, Br). <i>Inorganica Chimica Acta</i> , 2003, 349, 69-77.	2.4	31
124	Cubic nonlinear optical properties of new zinc tetraphenyl porphyrins peripherally functionalized with electron-rich Ru(II) alkynyl substituents. <i>Tetrahedron</i> , 2012, 68, 10351-10359.	1.9	31
125	Heptametallic, Octupolar Nonlinear Optical Chromophores with Six Ferrocenyl Substituents. <i>Chemistry - A European Journal</i> , 2013, 19, 6613-6629.	3.3	31
126	Interpretation of one-carrier thermally stimulated currents and isothermal decay currents. I. Basic concepts. <i>Physica Status Solidi A</i> , 1976, 36, 735-745.	1.7	30

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127	Spectrally Resolved Nonlinear Optical Response of Upconversion Lanthanide-Doped NaYF ₄ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16849-16855.	3.1	30
128	Two-photon absorption of metal-organic DNA-probes. <i>Dalton Transactions</i> , 2012, 41, 3123.	3.3	30
129	Core/Shell Quantum Dots Encapsulated in Biocompatible Oil-Core Nanocarriers as Two-Photon Fluorescent Markers for Bioimaging. <i>Langmuir</i> , 2014, 30, 14931-14943.	3.5	30
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