

Mark G Humphrey

List of Publications by Year in descending order

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papers

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18436

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390
all docs

390
docs citations

390
times ranked

8571
citing authors

#	ARTICLE	IF	CITATIONS
1	Cobalt phosphide nanorods as an efficient electrocatalyst for the hydrogen evolution reaction. <i>Nano Energy</i> , 2014, 9, 373-382.	8.2	478
2	A hydrothermal route to water-stable luminescent carbon dots as nanosensors for pH and temperature. <i>Carbon</i> , 2015, 82, 87-95.	5.4	382
3	Organometallic Complexes in Nonlinear Optics I: Second-Order Nonlinearities. <i>Advances in Organometallic Chemistry</i> , 1998, 42, 291-362.	0.5	373
4	Nonlinear optical properties of transition metal acetylides and their derivatives. <i>Coordination Chemistry Reviews</i> , 2004, 248, 725-756.	9.5	366
5	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.	6.6	199
6	Tunable Carbon-Dot-Based Dual-Emission Fluorescent Nanohybrids for Ratiometric Optical Thermometry in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6621-6628.	4.0	180
7	Metal alkynyl complexes as switchable NLO systems. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2530-2541.	9.5	177
8	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.	6.6	176
9	Synergistic Effects for Enhanced Catalysis in a Dual Single-Atom Catalyst. <i>ACS Catalysis</i> , 2021, 11, 1952-1961.	5.5	169
10	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.	7.2	168
11	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.	1.1	167
12	Organometallic Complexes in Nonlinear Optics II: Third-Order Nonlinearities and Optical Limiting Studies. <i>Advances in Organometallic Chemistry</i> , 1999, 43, 349-405.	0.5	167
13	Recent advances in ultraviolet and deep-ultraviolet second-order nonlinear optical crystals. <i>Coordination Chemistry Reviews</i> , 2018, 375, 459-488.	9.5	166
14	Switching the Cubic Nonlinear Optical Properties of an Electrochromic, Halochromic, and Photochromic Ruthenium Alkynyl Complex Across Six States. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7867-7870.	7.2	147
15	Large Second-Harmonic Response and Giant Birefringence of CeF ₂ (SO ₄) ₄ Induced by Highly Polarizable Polyhedra. <i>Journal of the American Chemical Society</i> , 2021, 143, 4138-4142.	6.6	147
16	Organometallic Complexes for Nonlinear Optics. 22.1 Quadratic and Cubic Hyperpolarizabilities of trans-Bis(bidentate phosphine)ruthenium η^5 -Arylvinylidene and η^5 -Arylalkynyl Complexes. <i>Organometallics</i> , 2001, 20, 4664-4675.	1.1	136
17	Organotransition Metal Complexes for Nonlinear Optics. <i>Advances in Organometallic Chemistry</i> , 2007, , 61-136.	0.5	132
18	Alkynyl compounds and nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 3968-3981.	0.8	128

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19	Organometallic Complexes for Nonlinear Optics. 3.1 Molecular Quadratic Hyperpolarizabilities of Ene-, Imine-, and Azo-Linked Ruthenium η^5 -Acetylides: X-ray Crystal Structure of $\text{Ru}(\text{E}-4,4\text{-C}_6\text{H}_4\text{CH}_2\text{C}(\text{C}_6\text{H}_4\text{NO}_2)(\text{PPh}_3)_2(\eta^5\text{-C}_5\text{H}_5)$. <i>Organometallics</i> , 1996, 15, 1935-1941.	1.1	127
20	Giant Optical Anisotropy in the UV-Transparent 2D Nonlinear Optical Material $\text{Sc}(\text{IO}_3)_2(\text{NO}_3)$. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3464-3468.	7.2	124
21	Increased optical nonlinearities of graphene nanohybrids covalently functionalized by axially-coordinated porphyrins. <i>Carbon</i> , 2013, 53, 327-338.	5.4	117
22	Electrochemical, Spectroelectrochemical, and Molecular Quadratic and Cubic Nonlinear Optical Properties of Alkynylruthenium Dendrimers. <i>Journal of the American Chemical Society</i> , 2006, 128, 10819-10832.	6.6	115
23	Dispersion of the Third-Order Nonlinear Optical Properties of an Organometallic Dendrimer. <i>Journal of the American Chemical Society</i> , 2004, 126, 12234-12235.	6.6	111
24	Two-Photon and Three-Photon Absorption in an Organometallic Dendrimer. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 731-733.	7.2	111
25	Organometallic Complexes for Nonlinear Optics. 24. Reversible Electrochemical Switching of Nonlinear Absorption. <i>Journal of Physical Chemistry A</i> , 2001, 105, 9625-9627.	1.1	109
26	Organometallic Complexes for Nonlinear Optics. 8.1 Syntheses and Molecular Quadratic Hyperpolarizabilities of Systematically Varied (Triphenylphosphine)gold η^5 -Arylacetylides: X-ray Crystal Structures of $\text{Au}(\text{C}_6\text{H}_4\text{CR})(\text{PPh}_3)$ ($\text{R} = 4\text{-C}_6\text{H}_4\text{NO}_2, 4,4\text{-C}_6\text{H}_4\text{C}_6\text{H}_4\text{NO}_2$). <i>Organometallics</i> , 1996, 15, 5738-5745.	1.1	108
27	Some more transition metal acetylides. <i>Australian Journal of Chemistry</i> , 1984, 37, 1955.	0.5	103
28	Organometallic Complexes for Nonlinear Optics. 2. Syntheses, Electrochemical Studies, Structural Characterization, and Computationally-Derived Molecular Quadratic Hyperpolarizabilities of Ruthenium σ -Arylacetylides: X-ray Crystal Structures of $\text{Ru}(\text{C}(\text{PMe}_3)_2(\eta^5\text{-C}_5\text{H}_5))$ and $\text{Ru}(\text{C}(\text{PMe}_3)_2(\eta^5\text{-C}_5\text{H}_5))(\text{L})_2$ ($\text{L} = \text{PPh}_3, \text{PMe}_3$). <i>Organometallics</i> , 1995, 14, 3970-3979.	1.1	103
29	Cyclopentadienyl-ruthenium and -osmium chemistry. <i>Journal of Organometallic Chemistry</i> , 1986, 314, 213-225.	0.8	99
30	UV Solar-Blind Region Phase-Matchable Optical Nonlinearity and Anisotropy in a Conjugated Cation-Containing Phosphate. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14806-14810.	7.2	99
31	Covalent functionalization of reduced graphene oxide with porphyrin by means of diazonium chemistry for nonlinear optical performance. <i>Scientific Reports</i> , 2016, 6, 23325.	1.6	98
32	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2002, 642, 259-267.	0.8	97
33	Modulation of Third-Order Nonlinear Optical Properties by Backbone Modification of Polymeric Pillared Layer Heterometallic Clusters. <i>Advanced Materials</i> , 2008, 20, 1870-1875.	11.1	97
34	Third-order optical nonlinearities of oligomers, dendrimers and polymers derived from solution Z-scan studies. <i>Optical Materials</i> , 2003, 21, 485-488.	1.7	95
35	Organometallic complexes for nonlinear optics. 14. Syntheses and second-order nonlinear optical properties of ruthenium, nickel and gold η^5 -acetylides of 1,3,5-triethynylbenzene: X-ray crystal structures of $1\text{-}(\text{HC}(\text{C}_6\text{H}_3)-3,5\text{-C}_6\text{H}_3(\text{trans-C}_6\text{H}_3\text{CRuCl}(\text{dppm})_2)_2$ and $1,3,5\text{-C}_6\text{H}_3(\text{C}_6\text{H}_3\text{CAu}(\text{PPh}_3))_3$. <i>Journal of Organometallic Chemistry</i> , 1997, 544, 277-283.	0.8	92
36	$\text{K}_5(\text{W}_3\text{O}_9\text{F}_4)(\text{IO}_3)_3$: An Efficient Mid-Infrared Nonlinear Optical Compound with High Laser Damage Threshold. <i>Chemistry of Materials</i> , 2019, 31, 10100-10108.	3.2	92

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37	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.	1.1	91
38	Giant Second-Harmonic Generation Response and Large Band Gap in the Partially Fluorinated Mid-Infrared Oxide $\text{RbTeMo}_2\text{O}_8$. <i>Journal of the American Chemical Society</i> , 2021, 143, 12455-12459.	6.6	91
39	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.	6.6	84
40	Cluster chemistry. <i>Journal of Organometallic Chemistry</i> , 1986, 314, 311-322.	0.8	83
41	Organometallic complexes for nonlinear optics.. <i>Inorganica Chimica Acta</i> , 2003, 352, 9-18.	1.2	81
42	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.	11.1	81
43	Bonding of η^5 -1-Acetylide Ligands to Electron-Rich Ruthenium Centers: Can Electron-Withdrawing Ligands Induce Significant Metal-to-Ligand Back-Bonding?. <i>Organometallics</i> , 1997, 16, 4004-4011.	1.1	80
44	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.	6.6	80
45	Group 8 metal alkynyl complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2014, 751, 181-200.	0.8	74
46	Graphene and Carbon-Nanotube Nanohybrids Covalently Functionalized by Porphyrins and Phthalocyanines for Optoelectronic Properties. <i>Advanced Materials</i> , 2018, 30, e1705704.	11.1	74
47	Cyclopentadienyl-ruthenium and -osmium chemistry. XXIII. Synthesis and reactions of some hydrido complexes containing ruthenium or osmium, and related chemistry. <i>Australian Journal of Chemistry</i> , 1984, 37, 1747.	0.5	73
48	Convergent Synthesis of Alkynylbis(bidentate phosphine)ruthenium Dendrimers. <i>Organometallics</i> , 2003, 22, 1402-1413.	1.1	73
49	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.	1.1	73
50	Electronic, Molecular Weight, Molecular Volume, and Financial Cost Scaling and Comparison of Two-Photon Absorption Efficiency in Disparate Molecules (Organometallic Complexes for Nonlinear) $\tau_{ETQ} \tau_{00} \tau_{rgBT} / \tau_{Overlock} \tau_{10T}$	11.1	72
51	Dispersion of the Third-Order Nonlinear Optical Properties of Triphenylamine-Cored Alkynylruthenium Dendrimers. $\tau_{ETQ} \tau_{00} \tau_{rgBT} / \tau_{Overlock} \tau_{10T}$ Increasing the Nonlinear Response by Two Orders of Magnitude. <i>Advanced Materials</i> , 2003, 15, 1126-1135.	0.8	71
51	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 $\text{Ru}(\eta^5\text{-C}_5\text{H}_5)(\text{PPh}_3)_2(\text{I-C}_5\text{H}_5)$. <i>Journal of Organometallic Chemistry</i> , 1997, 549, 127-137.	0.8	71
52	Third-Order Nonlinear Optical Properties of Some Electron-Rich Iron Mono- and Trinuclear Alkynyl Complexes. <i>Organometallics</i> , 2005, 24, 4280-4288.	1.1	70
53	Organometallic Complexes for Nonlinear Optics. 4. Cubic Hyperpolarizabilities of (Cyclopentadienyl)bis(phosphine)ruthenium η^5 -Arylacetylides. <i>Organometallics</i> , 1995, 14, 5493-5495.	1.1	69
54	Organometallic complexes for nonlinear optics. 15. Molecular quadratic hyperpolarizabilities of trans-bis{bis(diphenylphosphino)methane}ruthenium η^5 -aryl- and η^5 -pyridyl-acetylides: X-ray crystal structure of trans-[$\text{Ru}(\text{C}^{\text{tr}}\text{CC}_5\text{H}_3\text{N-5-NO}_2)\text{Cl}(\text{dppm})_2$]. <i>Journal of Organometallic Chemistry</i> , 1998, 563, 137-146.	0.8	69

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55	Bonding and Electron Delocalization in Ruthenium(III) <i>trans</i> -Arylacetylide Radicals [trans-CI(<i>i</i> -2-dppe)2RuCâ%ïC(4-C6H4X)]+ (X = NO2, C(O)H, C(O)Me, F, H, OMe, NMe2): Misleading Aspects of the ESR Anisotropy. <i>Organometallics</i> , 2009, 28, 2253-2266.	1.1	69
56	Syntheses, Structure, and Molecular Cubic Hyperpolarizabilities of Systematically Varied Ethynylgold(I) Complexes. <i>Organometallics</i> , 2000, 19, 2968-2974.	1.1	66
57	Cubic Nonlinear Optical Properties of Platinum-Terminated Polyynediyl Chains. <i>Inorganic Chemistry</i> , 2008, 47, 9946-9957.	1.9	66
58	Noninnocent Ligand Behavior in Diruthenium Complexes Containing a 1,3-Diethynylbenzene Bridge. <i>Organometallics</i> , 2009, 28, 5266-5269.	1.1	66
59	Facile hydrothermal synthesis and optical limiting properties of TiO2-reduced graphene oxide nanocomposites. <i>Carbon</i> , 2015, 89, 130-141.	5.4	66
60	Ultrafast synthesis of molybdenum carbide nanoparticles for efficient hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22805-22812.	5.2	65
61	Molecular Cubic Hyperpolarizabilities of Systematically Varied(Triphenylphosphane)â€“gold- <i>trans</i> -Arylalkynyl Complexes. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 370-371.	4.4	64
62	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.	1.7	64
63	Organometallic complexes for nonlinear optics VI: syntheses of rigid-rod ruthenium <i>trans</i> -acetylide complexes bearing strong acceptor ligands; X-ray crystal structures of trans-[Ru(C \hat{r} -1/4) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Chemistry. 1996, 523, 33-40.	0.8	62
64	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(C \hat{r} -1/4CPH)(4-C \hat{r} -1/4CC6H4NO2)(dppm)2]. <i>Journal of Organometallic Chemistry</i> , 1996, 526, 99-103.	0.8	62
65	Phase separation synthesis of trinickel monophosphide porous hollow nanospheres for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10925-10932.	5.2	62
66	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.	1.9	61
67	Organometallic Complexes for Nonlinear Optics. 28.1Dimensional Evolution of Quadratic and Cubic Optical Nonlinearities in Stilbenylethynylruthenium Complexes. <i>Organometallics</i> , 2002, 21, 2024-2026.	1.1	60
68	Syntheses and NLO properties of metal alkynyl dendrimers. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2025-2038.	9.5	60
69	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2003, 670, 56-65.	0.8	59
70	Nonlinear Optical and Two-Photon Absorption Properties of Octupolar Tris(bipyridyl)metal Complexes. <i>Journal of Physical Chemistry A</i> , 2007, 111, 8980-8985.	1.1	59
71	Syntheses and quadratic hyperpolarizabilities of some (pyridylalkynyl)metal complexes: crystal structures of [Ni{2-(C \hat{r} -1/4)C5H3NNO2-5}(PPh3)(<i>i</i> -C5H5)}, [Au{2-(C \hat{r} -1/4)C5H3NNO2-5}(PPh3)] and [Au{2-(C \hat{r} -1/4)C5H4N}(PPh3)]â€“Sâ€“. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 4167-4174.	1.1	57
72	Synthesis and Nonlinear Optical Properties of <i>trans</i> -5-Monocyclopentadienyliron(II) Acetylide Derivatives. X-ray Crystal Structures of [Fe(<i>trans</i> -5-C5H5)(DPPE)(<i>p</i> -Câ€“CC6H4NO2)] and [Fe(<i>trans</i> -5-C5H5)(DPPE)((<i>E</i>)- <i>p</i> -Câ€“CC6H4C(H)C(H)C6H4NO2)]. <i>Organometallics</i> , 2002, 21, 2107-2118.	1.1	56

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73	Optical limiting properties of (reduced) graphene oxide covalently functionalized by coordination complexes. <i>Coordination Chemistry Reviews</i> , 2018, 375, 489-513.	9.5	56
74	Organometallic complexes for non-linear optics V. <i>Journal of Organometallic Chemistry</i> , 1996, 519, 229-235.	0.8	55
75	A Rapid Convergent Approach to Organometallic Dendrimers: A Sterically Controlled Dendron Synthesis. <i>Organometallics</i> , 2002, 21, 2353-2355.	1.1	55
76	Silicon Surface-Bound Redox-Active Conjugated Wires Derived From Mono- and Dinuclear Iron(II) and Ruthenium(II) Oligo(phenyleneethynylene) Complexes. <i>Advanced Materials</i> , 2008, 20, 1952-1956.	11.1	54
77	Intramolecular Optical Electron Transfer in Mixed-Valent Dinuclear Iron ^{II} -Ruthenium Complexes Featuring a 1,4-Diethynylaryl Spacer. <i>Organometallics</i> , 2008, 27, 1063-1072.	1.1	53
78	Dodecanuclear-Ellipse and Decanuclear-Wheel Nickel(II) Thiolato Clusters with Efficient Femtosecond Nonlinear Absorption. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4209-4212.	7.2	53
79	Syntheses, Structural, Theoretical, and Nonlinear Optical Studies of Non-Interpenetrating Three-Dimensional Nest-Shaped-Cluster [MoOS ₃ Cu ₃]-Based Coordination Polymers. <i>Crystal Growth and Design</i> , 2011, 11, 100-109.	1.4	50
80	Strong SHG Responses in a Beryllium-Free Deep-UV-Transparent Hydroxyborate via Covalent Bond Modification. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27151-27157.	7.2	50
81	Facile Synthesis and Enhanced Nonlinear Optical Properties of Porphyrin-Functionalized Multi-Walled Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2013, 19, 14159-14170.	1.7	49
82	Organometallic complexes for nonlinear optics. Part 29. Quadratic and cubic hyperpolarizabilities of stilbenylethynyl-gold and -ruthenium complexes. <i>Inorganica Chimica Acta</i> , 2003, 350, 62-76.	1.2	46
83	<i>Organometallics</i> Roundtable 2011. <i>Organometallics</i> , 2012, 31, 1-18.	1.1	46
84	AGa ₃ F ₆ (SeO ₃) ₂ (A = Rb, Cs): A New Type of Phase-Matchable Hexagonal Tungsten Oxide Material with Strong Second-Harmonic Generation Responses. <i>Chemistry of Materials</i> , 2020, 32, 6906-6915.	3.2	46
85	Giant Optical Anisotropy in the UV-Transparent 2D Nonlinear Optical Material Sc(IO ₃) ₂ (NO ₃). <i>Angewandte Chemie</i> , 2021, 133, 3506-3510.	1.6	46
86	Ruthenium clusters containing N-donor ligands. <i>Polyhedron</i> , 1991, 10, 277-322.	1.0	44
87	Mixed-Metal Cluster Chemistry. 19. Crystallographic, Spectroscopic, Electrochemical, Spectroelectrochemical, and Theoretical Studies of Systematically Varied Tetrahedral Group 6 ^{II} -Iridium Clusters. <i>Journal of the American Chemical Society</i> , 2002, 124, 5139-5153.	6.6	44
88	Facile Syntheses of Ba ₂ [B ₄ O ₇ (OH) ₂] and Na[B ₅ O ₇ (OH) ₂](H ₂ O) Borate Salts Exhibiting Nonlinear Optical Activity in the Ultraviolet. <i>Inorganic Chemistry</i> , 2017, 56, 1340-1348.	1.9	43
89	Multistate Redox-Active Metalated Triarylaminates. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 65-75.	1.0	41
90	Tetrazine Chromophore-Based Metal-Organic Frameworks with Unusual Configurations: Synthetic, Structural, Theoretical, Fluorescent, and Nonlinear Optical Studies. <i>Chemistry - A European Journal</i> , 2015, 21, 7914-7926.	1.7	41

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91	Blue-shifted emission and enhanced quantum efficiency via μ -bridge elongation in carbazole-carborane dyads. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15719-15726.	1.3	41
92	Record Multiphoton Absorption Cross-Sections by Dendrimer Organometalation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2387-2391.	7.2	40
93	Computational studies of the nonlinear optical properties of organometallic complexes. <i>Coordination Chemistry Reviews</i> , 2018, 375, 389-409.	9.5	40
94	Enhancement of Second-Order Optical Nonlinearity in a Lutetium Selenite by Monodentate Anion Partial Substitution. <i>Chemistry of Materials</i> , 2020, 32, 3043-3053.	3.2	40
95	Cyclopentadienyl-ruthenium and -osmium chemistry. <i>Journal of Organometallic Chemistry</i> , 1985, 282, 383-397.	0.8	39
96	Mixed-Metal Cluster Chemistry. 21. Synthesis and Crystallographic and Electrochemical Studies of Alkyne-Coordinated Group 6 Iridium Clusters Linked by Phenylenevinylene Groups. <i>Organometallics</i> , 2003, 22, 284-301.	1.1	39
97	A Single-Bridge Strategy for Synthesis of a 3-D Heterobimetallic Cluster with a Heavily Distorted Diamondoid Topology and Enhanced Third-Order Nonlinear Optical Properties. <i>Crystal Growth and Design</i> , 2008, 8, 387-390.	1.4	39
98	Stable Ag nanoclusters-based nano-sensors: Rapid sonochemical synthesis and detecting Pb ²⁺ in living cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1136-1143.	4.0	39
99	Reactions of transition metal μ -acetylide complexes. <i>Journal of Organometallic Chemistry</i> , 1987, 326, 247-256.	0.8	38
100	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2003, 670, 248-255.	0.8	38
101	A 1,3-dipolar cycloaddition protocol to porphyrin-functionalized reduced graphene oxide with a push-pull motif. <i>Nano Research</i> , 2015, 8, 870-886.	5.8	38
102	A Lanthanum Ammonium Sulfate Double Salt with a Strong SHG Response and Wide Deep-UV Transparency. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	38
103	Mixed-metal cluster chemistry. Site-selective reactions of tungsten-iridium cluster CpWIr ₃ (CO) ₁₁ with PPh ₃ and bidentate phosphines: x-ray crystal structures of CpWIr ₃ (μ -dppe)(μ -CO) ₃ (CO) ₆ , CpWIr ₃ (μ -dppm)(μ -CO) ₃ (CO) ₆ , and CpWIr ₃ (μ -dppa)(μ -CO) ₃ (CO) ₆ . <i>Organometallics</i> , 1993, 12, 3468-3473.	1.1	37
104	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2000, 605, 193-201.	0.8	37
105	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2000, 605, 184-192.	0.8	37
106	Organometallic Complexes for Nonlinear Optics. 43. Quadratic Optical Nonlinearities of Dipolar Alkynylruthenium Complexes with Phenyleneethynylene/Phenylenevinylene Bridges. <i>Inorganic Chemistry</i> , 2009, 48, 3562-3572.	1.9	37
107	Decanuclear Cluster-Based Metal-Organic Framework with a (3,11)-Connected Topology and Highly Sensitive 2,4,6-Trinitrophenol Detection. <i>Inorganic Chemistry</i> , 2019, 58, 9749-9755.	1.9	37
108	Transition metal complex/gold nanoparticle hybrid materials. <i>Chemical Society Reviews</i> , 2020, 49, 2316-2341.	18.7	37

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109	A Congruent Melting Infrared Nonlinear Optical Vanadate Exhibiting Strong Second Harmonic Generation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22447-22453.	7.2	37
110	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2000, 610, 71-79.	0.8	35
111	Organometallic complexes for nonlinear optics. 37: Synthesis and third-order nonlinear optical properties of a hexarutheniumtriplatinum dendrimer. <i>Polyhedron</i> , 2007, 26, 284-289.	1.0	35
112	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.	1.9	35
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