Mark G Humphrey

List of Publications by Year
in descending order

370 papers	13,410 citations	18479 62 h-index	37202 96 g-index
390 all docs	390 docs citations	390 times ranked	8571 citing authors

#	Article	IF	Citations
1	Strong near-infrared and ultrafast femtosecond nonlinearities of a covalently-linked triply-fused porphyrin dimer-SWCNT nanohybrid. Nano Research, 2022, 15, 1355-1365.	10.4	19
2	Switching the Nonlinear Optical Absorption of Titanium Carbide MXene by Modulation of the Surface Terminations. ACS Nano, 2022, 16, 394-404.	14.6	32
3	Outstanding Multiâ€Photon Absorption at Ï€â€Delocalizable Metallodendrimers. Angewandte Chemie - International Edition, 2022, 61, .	13.8	7
4	InnenrÃ¼cktitelbild: Outstanding Multiâ€Photon Absorption at Ï€â€Delocalizable Metallodendrimers (Angew. Chem. 10/2022). Angewandte Chemie, 2022, 134, .	2.0	0
5	Ultrawide Bandgap and Outstanding Secondâ€Harmonic Generation Response by a Fluorineâ€Enrichment Strategy at a Transitionâ€Metal Oxyfluoride Nonlinear Optical Material. Angewandte Chemie - International Edition, 2022, 61, .	13.8	28
6	Ultrawide Bandgap and Outstanding Secondâ€Harmonic Generation Response by a Fluorineâ€Enrichment Strategy at a Transitionâ€Metal Oxyfluoride Nonlinear Optical Material. Angewandte Chemie, 2022, 134, .	2.0	4
7	A Lanthanum Ammonium Sulfate Double Salt with a Strong SHG Response and Wide Deepâ€UV Transparency. Angewandte Chemie, 2022, 134, .	2.0	3
8	A Lanthanum Ammonium Sulfate Double Salt with a Strong SHG Response and Wide Deepâ€UV Transparency. Angewandte Chemie - International Edition, 2022, 61, .	13.8	38
9	Enhanced nonlinear optical properties of a Ï€-conjugated porphyrin dimerâ€“graphene nanocomposite. New Journal of Chemistry, 2022, 46, 10433-10440.	2.8	3
10	Innentitelbild: Ultrawide Bandgap and Outstanding Secondâ€Harmonic Generation Response by a Fluorineâ€Enrichment Strategy at a Transitionâ€Metal Oxyfluoride Nonlinear Optical Material (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10	2.0	0
11	TiO₂-enhanced in situ electrochemical activation of Co₃O₄ for the alkaline hydrogen evolution reaction. Journal of Materials Chemistry A, 2022, 10, 13769-13779.	10.3	6
12	One-dimensional amorphous cobalt(<scp>ii</scp>) metalâ€“organic framework nanowire for efficient hydrogen evolution reaction. Inorganic Chemistry Frontiers, 2022, 9, 4184-4193.	6.0	6
13	Covalent functionalization of few-layer TiS₂ with tetraphenylporphyrin: toward a donorâ€“acceptor nanohybrid featuring enhanced nonlinear saturation absorption. Journal of Materials Chemistry C, 2022, 10, 10876-10887.	5.5	2
14	Giant Multiâ€Photon Absorption by Heptazine Organometalation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	6
15	Additiveâ€Triggered Polar Polymorph Formation: Î²â€Sc(IO₃)₃, a Promising Nextâ€Generation Midâ€Infrared Nonlinear Optical Material. Angewandte Chemie - International Edition, 2022, 61, .	13.8	18
16	Giant Optical Anisotropy in the UVâ€Transparent 2D Nonlinear Optical Material Sc(IO₃)₂(NO₃). Angewandte Chemie - International Edition, 2021, 60, 3464-3468.	13.8	124
17	Giant Optical Anisotropy in the UVâ€Transparent 2D Nonlinear Optical Material Sc(IO₃)₂(NO₃). Angewandte Chemie, 2021, 133, 3506-3510.	2.0	46
18	Electrical Tuning of the Fifthâ€Order Optical Nonlinearity of Antimonyâ€Doped Tin Oxide. Advanced Optical Materials, 2021, 9, 2001357.	7.3	11

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19	Highly efficient room-temperature phosphorescent materials with a heavy-atom effect of bromine. New Journal of Chemistry, 2021, 45, 4930-4933.	2.8	3
20	In situhydrothermal synthesis of polar second-order nonlinear optical selenate Na₅(SeO₄)(HSeO₄)₃(H₂O)₂. Inorganic Chemistry Frontiers, 2021, 8, 3141-3148.	6.0	11
21	Synergistic Effects for Enhanced Catalysis in a Dual Single-Atom Catalyst. ACS Catalysis, 2021, 11, 1952-1961.	11.2	169
22	First chiral fluorinated lead vanadate selenite Pb₂(V₂O₄F)(VO₂)(SeO₃)₃with five asymmetric motifs and large optical properties. Dalton Transactions, 2021, 50, 7238-7245.	3.3	8
23	Facile syntheses of silver thioantimonates exhibiting second-harmonic generation responses and large birefringence. Dalton Transactions, 2021, 50, 3568-3576.	3.3	7
24	Large Second-Harmonic Response and Giant Birefringence of CeF₂(SO₄) Induced by Highly Polarizable Polyhedra. Journal of the American Chemical Society, 2021, 143, 4138-4142.	13.7	147
25	Molecular Engineering toward an Enlarged Optical Band Gap in a Bismuth Sulfate via Homovalent Cation Substitution. Inorganic Chemistry, 2021, 60, 5851-5859.	4.0	12
26	Switching the Nonparametric Optical Nonlinearity of Tungsten Oxide by Electrical Modulation. Advanced Optical Materials, 2021, 9, 2002188.	7.3	4
27	Nonlinear optical properties of meso-Tetra(fluorenyl)porphyrins peripherally functionalized with one to four ruthenium alkynyl substituents. Dyes and Pigments, 2021, 188, 109155.	3.7	15
28	UV Solarâ€Blindâ€Region Phaseâ€Matchable Optical Nonlinearity and Anisotropy in a Ï€â€Conjugated Cationâ€Containing Phosphate. Angewandte Chemie, 2021, 133, 14932-14936.	2.0	19
29	DNA-Binding and Cytotoxicity of Copper(I) Complexes Containing Functionalized Dipyridylphenazine Ligands. Pharmaceutics, 2021, 13, 764.	4.5	14
30	Innentitelbild: UV Solarâ€Blindâ€Region Phaseâ€Matchable Optical Nonlinearity and Anisotropy in a Ï€â€Conjugated Cationâ€Containing Phosphate (Angew. Chem. 27/2021). Angewandte Chemie, 2021, 133, 14842-14842.	2.0	0
31	UV Solarâ€Blindâ€Region Phaseâ€Matchable Optical Nonlinearity and Anisotropy in a Ï€â€Conjugated Cationâ€Containing Phosphate. Angewandte Chemie - International Edition, 2021, 60, 14806-14810.	13.8	99
32	CsZrF₄(IO₃): The First Polar Zirconium Iodate with cis-[ZrO₂F₆] Polyhedra Inducing Optimized Balance of Large Band Gap and Second Harmonic Generation. Chemistry of Materials, 2021, 33, 5555-5562.	6.7	29
33	A₂MoO₂F₃(IO₂F₂) (A = Rb,) Tj ETQq1 1 0.784314 rgBT Chemistry of Materials, 2021, 33, 5700-5708.	6.7	30
34	Effect of Net Charge on DNA-Binding, Protein-Binding and Anticancer Properties of Copper(I) Phosphine-Diimine Complexes. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 3943-3952.	3.7	6
35	Giant Second-Harmonic Generation Response and Large Band Gap in the Partially Fluorinated Mid-Infrared Oxide RbTeMo₂O₈F. Journal of the American Chemical Society, 2021, 143, 12455-12459.	13.7	91
36	A Congruentâ€Melting Midâ€Infrared Nonlinear Optical Vanadate Exhibiting Strong Secondâ€Harmonic Generation. Angewandte Chemie, 2021, 133, 22621-22627.	2.0	11

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37	A Congruentâ€Melting Midâ€Infrared Nonlinear Optical Vanadate Exhibiting Strong Secondâ€Harmonic Generation. Angewandte Chemie - International Edition, 2021, 60, 22447-22453.	13.8	37
38	Two-photon absorption properties of multipolar triarylamino/tosylamido 1,1,4,4-tetracyanobutadienes. Physical Chemistry Chemical Physics, 2021, 23, 22283-22297.	2.8	11
39	Rb₃In(SO₄)₃: a defluorinated mixed main-group metal sulfate for ultraviolet transparent nonlinear optical materials with a large optical band gap. Journal of Materials Chemistry C, 2021, 9, 5124-5131.	5.5	16
40	DNA-Binding Capabilities and Anticancer Activities of Ruthenium(II) Cymene Complexes with (Poly)cyclic Aromatic Diamine Ligands. Molecules, 2021, 26, 76.	3.8	9
41	Strong SHG Responses in a Berylliumâ€Free Deepâ€UVâ€Transparent Hydroxyborate via Covalent Bond Modification. Angewandte Chemie - International Edition, 2021, 60, 27151-27157.	13.8	50
42	Strong SHG Responses in a Berylliumâ€Free Deepâ€UVâ€Transparent Hydroxyborate via Covalent Bond Modification. Angewandte Chemie, 2021, 133, 27357.	2.0	9
43	From CeF₂(SO₄)Â·H₂O to Ce(IO₃)₂(SO₄): Defluorinated Homovalent Substitution for Strong Second-Harmonic-Generation Effect and Sufficient Birefringence. Chemistry of Materials, 2021, 33, 9317-9325.	6.7	23
44	Realizing Saturable Absorption and Reverse Saturable Absorption in a PEDOT:PSS Film via Electrical Modulation. ACS Applied Materials & Interfaces, 2020, 12, 48982-48990.	8.0	11
45	Ba(MoO₂F)₂(XO₃)₂ (X = Se and Te): First Cases of Noncentrosymmetric Fluorinated Molybdenum Oxide Selenite/Tellurite Through Unary Substitution for Enlarging Band Gaps and Second Harmonic Generation. ACS Applied Materials & Interfaces, 2020, 12, 49812-49821.	8.0	25
46	6,12-Dihydro-6,12-diboradibenzo[def,mno]chrysene: A Doubly Boron-Doped Polycyclic Aromatic Hydrocarbon for Organic Light Emitting Diodes by a One-Pot Synthesis. Organic Letters, 2020, 22, 7942-7946.	4.6	15
47	Hybrids of gold nanoparticles and oligo(p-phenyleneethynylene)s end-functionalized with alkynylruthenium groups: Outstanding two-photon absorption in the second biological window. Nano Research, 2020, 13, 2755-2762.	10.4	4
48	1,3,5-Triaryl-1,3,5-Triazinane-2,4,6-Trithiones: Synthesis, Electronic Structure and Linear Optical Properties. Molecules, 2020, 25, 5475.	3.8	2
49	Synthesis, structures, DNA-binding, cytotoxicity and molecular docking of CuBr(PPh3)(diimine). Polyhedron, 2020, 192, 114847.	2.2	13
50	Organometallic complexes for nonlinear optics. 66. Synthesis and quadratic nonlinear optical studies of trans-[Ru{C C{2,5-C4H2S-(E)-CH CH}n-2,5-C4H2S(NO2)}Cl(dppe)2] (nÂ= 0â€“2). Journal of Organometallic Chemistry, 2020, 919, 121306.	1.8	1
51	AGa₃F₆(SeO₃)₂ (A = Rb, Cs): A New Type of Phase-Matchable Hexagonal Tungsten Oxide Material with Strong Second-Harmonic Generation Responses. Chemistry of Materials, 2020, 32, 6906-6915.	6.7	46
52	Enhancement of Second-Order Optical Nonlinearity in a Lutetium Selenite by Monodentate Anion Partial Substitution. Chemistry of Materials, 2020, 32, 3043-3053.	6.7	40
53	Incorporating rare-earth cations with moderate electropositivity into iodates for the optimized second-order nonlinear optical performance. Inorganic Chemistry Frontiers, 2020, 7, 2736-2746.	6.0	12
54	Transition metal complex/gold nanoparticle hybrid materials. Chemical Society Reviews, 2020, 49, 2316-2341.	38.1	37

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55	DNA-Binding and Anticancer Activity of Binuclear Gold(I) Alkynyl Complexes with a Phenanthrenyl Bridging Ligand. Molecules, 2020, 25, 1033.	3.8	21
56	Gd(NO₃)(Se₂O₅)Â·3H₂O: a nitrateâ€“selenite nonlinear optical material with a short ultraviolet cutoff edge. Dalton Transactions, 2020, 49, 3253-3259.	3.3	18
57	Synthesis, crystal structures and optical properties of open-framework gallium phosphates: NaGa3F4(PO4)2(H2O)2 and AGa2P2O7(OH)3(H2O) (A = K, Rb). Journal of Solid State Chemistry, 2020, 288, 121412.	2.9	1
58	Nitro End Groups: Remarkable Vibrational Reporters for Charge Transfer in the Excited States of Oligo(p-phenyleneethynylene)-Bridged Donorâ€“Acceptor Dyads. Journal of Physical Chemistry C, 2020, 124, 9755-9764.	3.1	4
59	Decanuclear Cluster-Based Metalâ€“Organic Framework with a (3,11)-Connected Topology and Highly Sensitive 2,4,6-Trinitrophenol Detection. Inorganic Chemistry, 2019, 58, 9749-9755.	4.0	37
60	Syntheses and quadratic nonlinear optical properties of 2,7-fluorenylene- and 1,4-phenylene-functionalized o-carboranes. Dalton Transactions, 2019, 48, 12549-12559.	3.3	4
61	In situ formed [M(CN)₉] (M = W, Mo) as a building block for the construction of two nona-cyanometalate-bridged heterometallic coordination polymers. CrystEngComm, 2019, 21, 4363-4372.	2.6	3
62	Ionothermal Synthesis of Metal Chalcogenides M₂Ag₃Sb₃S₇ (M = Rb, Cs) Displaying Nonlinear Optical Activity in the Infrared Region. Inorganic Chemistry, 2019, 58, 12582-12589.	4.0	16
63	Collective nonlinear electric polarization via defect-driven local symmetry breaking. Materials Horizons, 2019, 6, 1717-1725.	12.2	25
64	Auxiliary ligand-induced structural diversities of octacyanometalate-based heterobimetallic coordination polymers towards diverse magnetic properties. Dalton Transactions, 2019, 48, 7666-7676.	3.3	4
65	K₅(W₃O₉F₄)(IO₃): An Efficient Mid-Infrared Nonlinear Optical Compound with High Laser Damage Threshold. Chemistry of Materials, 2019, 31, 10100-10108.	6.7	92
66	Exceptional Two-Photon Absorption in Alkynylruthenium–Gold Nanoparticle Hybrids. Nano Letters, 2019, 19, 756-760.	9.1	9
67	Linear Optical, Quadratic and Cubic Nonlinear Optical, Electrochemical, and Theoretical Studies of â€œRigidâ€•Rodâ€•Bisâ€Alkynyl Ruthenium Complexes. ChemPlusChem, 2018, 83, 630-642.	2.8	11
68	Longâ€Range Corrected DFT Calculations of First Hyperpolarizabilities and Excitation Energies of Metal Alkynyl Complexes. ChemPhysChem, 2018, 19, 1537-1546.	2.1	17
69	Graphene and Carbonâ€Nanotube Nanohybrids Covalently Functionalized by Porphyrins and Phthalocyanines for Optoelectronic Properties. Advanced Materials, 2018, 30, e1705704.	21.0	74
70	Quadratic and cubic hyperpolarizabilities of nitro-phenyl/-naphthalenyl/-anthracenyl alkynyl complexes. Dalton Transactions, 2018, 47, 4560-4571.	3.3	15
71	Diamines as auxiliary ligands for tuning photophysical and electrochemical properties of Ruthenium(II) polypyridyl complexes. Journal of Molecular Structure, 2018, 1158, 197-204.	3.6	4
72	Carbon Nanohybrids: Graphene and Carbon-Nanotube Nanohybrids Covalently Functionalized by Porphyrins and Phthalocyanines for Optoelectronic Properties (Adv. Mater. 17/2018). Advanced Materials, 2018, 30, 1870118.	21.0	5

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73	Recent advances in ultraviolet and deep-ultraviolet second-order nonlinear optical crystals. Coordination Chemistry Reviews, 2018, 375, 459-488.	18.8	166
74	Computational studies of the nonlinear optical properties of organometallic complexes. Coordination Chemistry Reviews, 2018, 375, 389-409.	18.8	40
75	Nâ€Donor/Fluorenyl oâ€Carborane Fluorophores with Strong Crystallizationâ€Induced Emission. ChemPhotoChem, 2018, 2, 369-379.	3.0	12
76	Ruthenium Alkynyl Complexes in Non-Linear Optics. Australian Journal of Chemistry, 2018, 71, 731.	0.9	12
77	Quadratic and Cubic Optical Nonlinearities of Yâ€Shaped and Distortedâ€Hâ€Shaped Arylalkynylruthenium Complexes. Chemistry - A European Journal, 2018, 24, 16332-16341.	3.3	10
78	Optical limiting properties of (reduced) graphene oxide covalently functionalized by coordination complexes. Coordination Chemistry Reviews, 2018, 375, 489-513.	18.8	56
79	Linear and Third-Order Nonlinear Optical Properties of Fe(Î·⁵-C₅Me₅)(Îº²-dppe)- and trans-Ru(Îº²-dppe)₂-Alkynyl Complexes Containing 2-Fluorenyl End Groups. Organometallics, 2018, 37, 2245-2262.	2.3	17
80	Diphenylamino-substituted tristyryl vs. triphenyl isocyanurates: improved conjugation has minimal impact on two-photon absorption. New Journal of Chemistry, 2018, 42, 11289-11293.	2.8	4
81	Synthesis, characterization and third-order nonlinear optical properties of a dodecaruthenium organometallic dendrimer with a zinc(<scp>ii</scp>) tetraphenylporphyrin core. Dalton Transactions, 2018, 47, 11123-11135.	3.3	8
82	A simple and broadly applicable synthesis of fluorene-coupled Dâ€“Îƒâ€“A type molecules: towards high-triplet-energy bipolar hosts for efficient blue thermally-activated delayed fluorescence. Journal of Materials Chemistry C, 2018, 6, 6949-6957.	5.5	12
83	Photovoltaic Effect of a Ferroelectric-Luminescent Heterostructure under Infrared Light Illumination. ACS Applied Materials & Interfaces, 2018, 10, 29786-29794.	8.0	8
84	Facile Syntheses of Ba₂[B₄O₇(OH)₂] and Na[B₅O₇(OH)₂](H₂O) Borate Salts Exhibiting Nonlinear Optical Activity in the Ultraviolet. Inorganic Chemistry, 2017, 56, 1340-1348.	4.0	43
85	Organometallic Complexes for Non-Linear Optics. 59. Syntheses and Optical Properties of Some Octupolar (N-Heterocyclic Carbene)gold Complexes. Australian Journal of Chemistry, 2017, 70, 79.	0.9	3
86	Solvent-controlled syntheses of mixed-alkali-metal borates exhibiting UV nonlinear optical properties. Inorganic Chemistry Frontiers, 2017, 4, 692-700.	6.0	21
87	High-nuclearity ruthenium carbonyl cluster chemistry. 9. Ligand substitution at decaruthenium carbonyl clusters. Journal of Organometallic Chemistry, 2017, 849-850, 63-70.	1.8	2
88	Stellar Multiâ€Photon Absorption Materials: Beyond the Telecommunication Wavelength Band. Chemistry - A European Journal, 2017, 23, 8395-8399.	3.3	12
89	Efficient crystallization-induced emission in fluorenyl-tethered carboranes. Physical Chemistry Chemical Physics, 2017, 19, 12928-12935.	2.8	27
90	[Fp*Fc][PF6]: A remarkable non-symmetric dinuclear cation in a very stable mixed-valent state. Journal of Organometallic Chemistry, 2017, 847, 218-223.	1.8	3

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91	Ultrafast synthesis of molybdenum carbide nanoparticles for efficient hydrogen generation. Journal of Materials Chemistry A, 2017, 5, 22805-22812.	10.3	65
92	Low-temperature-flux syntheses of ultraviolet-transparent borophosphates Na₄MB₂P₃O₁₃(M = Rb, Cs) exhibiting a second-harmonic generation response. Dalton Transactions, 2017, 46, 12605-12611.	3.3	17
93	Covalent-linked porphyrin/single-walled carbon nanotube nanohybrids: synthesis and influence of porphyrin substituents on nonlinear optical performance. Carbon, 2017, 124, 618-629.	10.3	25
94	Electronic Absorption, Emission and Twoâ€Photon Absorption Properties of Some Functional 1,3,5â€Triphenylbenzenes. ChemistrySelect, 2017, 2, 8080-8085.	1.5	1
95	Stable Ag nanoclusters-based nano-sensors: Rapid sonochemical synthesis and detecting Pb2+ in living cells. Sensors and Actuators B: Chemical, 2017, 238, 1136-1143.	7.8	39
96	Mixed-metal cluster chemistry. 39. Syntheses and X-ray structures of Mo 3 Ir 3 (Î¼ 4 -Î· 2 -CO)(Î¼ 3 -CO)(CO) 10 (Î· 5 -C 5 H 5) 3 and Mo 3 RhIr 3 (Î¼4-CO) 4 (CO) 7 (Î· 5 -C 5 H 5) 3 (Î· 5 -C 5 Me 5). Journal of Organometallic Chemistry, 2017, 829, 66-70.	1.8	1
97	Linear Optical and Thirdâ€Order Nonlinear Optical Properties of Some Fluorenylâ€and Triarylamineâ€Containing Tetracyanobutadiene Derivatives. Chemistry - A European Journal, 2016, 22, 10155-10167.	3.3	35
98	Record Multiphoton Absorption Crossâ€Sections by Dendrimer Organometalation. Angewandte Chemie, 2016, 128, 2433-2437.	2.0	16
99	Synthesis, Optical, Electrochemical, and Theoretical Studies of Dipolar Ruthenium Alkynyl Complexes with Oligo(phenylenevinylene) Bridges. ChemPlusChem, 2016, 81, 613-620.	2.8	5
100	Record Multiphoton Absorption Crossâ€Sections by Dendrimer Organometalation. Angewandte Chemie - International Edition, 2016, 55, 2387-2391.	13.8	40
101	Dynamic Permutational Isomerism in a closoâ€Cluster. Chemistry - A European Journal, 2016, 22, 5128-5132.	3.3	5
102	Blue-shifted emission and enhanced quantum efficiency via Ï€-bridge elongation in carbazoleâ€“carborane dyads. Physical Chemistry Chemical Physics, 2016, 18, 15719-15726.	2.8	41
103	Dual-emitting quantum dot/carbon nanodot-based nanoprobe for selective and sensitive detection of Fe³⁺ in cells. Analyst, The, 2016, 141, 4488-4494.	3.5	29
104	Investigation of the second hyperpolarizability of Ru-alkynyl complexes by z-scan and nonlinear scattering. Proceedings of SPIE, 2016, , .	0.8	2
105	Alkali metalâ€“alkaline earth metal borate crystal LiBa₃(OH)(B₉O₁₆)[B(OH)₄] as a new deep-UV nonlinear optical material. Journal of Materials Chemistry C, 2016, 4, 8189-8196.	5.5	29
106	Iron and Ruthenium Alkynyl Complexes with 2â€Fluorenyl Groups: Some Linear and Nonlinear Optical Absorption Properties. European Journal of Inorganic Chemistry, 2016, 2016, 3868-3882.	2.0	19
107	Covalent functionalization of reduced graphene oxide with porphyrin by means of diazonium chemistry for nonlinear optical performance. Scientific Reports, 2016, 6, 23325.	3.3	98
108	Syntheses and Optical Properties of Azoâ€Functionalized Ruthenium Alkynyl Complexes. ChemPlusChem, 2016, 81, 621-628.	2.8	7

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109	Exceptionally large two- and three-photon absorption cross-sections by OPV organometalation. Chemical Communications, 2016, 52, 8301-8304.	4.1	26
110	Phase separation synthesis of trinickel monophosphide porous hollow nanospheres for efficient hydrogen evolution. Journal of Materials Chemistry A, 2016, 4, 10925-10932.	10.3	62
111	Mixed-metal cluster chemistry. 37. Syntheses, structural, spectroscopic, electrochemical, and optical power limiting studies of tetranuclear molybdenumâ€“iridium clusters. Journal of Organometallic Chemistry, 2016, 812, 135-144.	1.8	3
112	Ammoniumâ€“crown ether supramolecular cation-templated assembly of an unprecedented heterobiclusterâ€“metal coordination polymer with enhanced NLO properties. Chemical Communications, 2016, 52, 3797-3800.	4.1	28
113	TiO₂â€“multi-walled carbon nanotube nanocomposites: hydrothermal synthesis and temporally-dependent optical properties. RSC Advances, 2016, 6, 20120-20127.	3.6	32
114	Tunable Carbon-Dot-Based Dual-Emission Fluorescent Nanohybrids for Ratiometric Optical Thermometry in Living Cells. ACS Applied Materials & Interfaces, 2016, 8, 6621-6628.	8.0	180
115	Multi-walled carbon nanotubes covalently functionalized by axially coordinated metal-porphyrins: Facile syntheses and temporally dependent optical performance. Nano Research, 2016, 9, 458-472.	10.4	31
116	Functionalization of reduced graphene oxide with axially-coordinated metal-porphyrins: facile syntheses and temporally-dependent nonlinear optical properties. Inorganic Chemistry Frontiers, 2016, 3, 296-305.	6.0	20
117	Tetrazine Chromophoreâ€Based Metalâ€“Organic Frameworks with Unusual Configurations: Synthetic, Structural, Theoretical, Fluorescent, and Nonlinear Optical Studies. Chemistry - A European Journal, 2015, 21, 7914-7926.	3.3	41
118	Syntheses, Spectroscopic, Electrochemical, and Thirdâ€Order Nonlinear Optical Studies of a Hybrid Tris{ruthenium(alkynyl)/(2â€phenylpyridine)}iridium Complex. Chemistry - A European Journal, 2015, 21, 11843-11854.	3.3	19
119	Syntheses of Ir4(CO)6(Î·5-C5Me4H)2and Ir7(Î¼3-CO)3(CO)12(Î·5-C5Me5) from Pentametallic Molybdenum-Iridium Cluster Precursors. European Journal of Inorganic Chemistry, 2015, 2015, 2587-2591.	2.0	2
120	Syntheses, Electrochemical, Linear Optical, and Cubic Nonlinear Optical Properties of Ruthenium-Alkynyl-Functionalized Oligo(phenylenevinylene) Stars. ChemPlusChem, 2015, 80, 1329-1340.	2.8	7
121	Binuclear Sulfide Niobium Clusters Coordinated by Diimine Ligands: Synthesis, Structure, Photocatalytic Activity and Optical Limiting Properties. European Journal of Inorganic Chemistry, 2015, 2015, 2865-2874.	2.0	10
122	Synthesis and optical power limiting properties of heteroleptic Mo₃S₇ clusters. Dalton Transactions, 2015, 44, 13163-13172.	3.3	21
123	2,7-Fluorenediyl-Bridged Complexes Containing Electroactive â€œFe(Î·⁵-C₅Me₅)(Î²²-dppe)Câ‰¡Câ€“â€•End Groups: Molecular Wires and Remarkable Nonlinear Electrochromes. Organometallics, 2015, 34, 5418-5437.	2.3	23
124	Synthesis, structural, electrochemical, and spectroscopic studies of some (diimine)ruthenium nitrile complexes. Journal of Coordination Chemistry, 2015, 68, 1476-1486.	2.2	4
125	Phosphine, isocyanide, and alkyne reactivity at pentanuclear molybdenum/tungstenâ€“iridium clusters. Dalton Transactions, 2015, 44, 7292-7304.	3.3	4
126	Gold nanoclusters based dual-emission hollow TiO₂ microsphere for ratiometric optical thermometry. RSC Advances, 2015, 5, 61586-61592.	3.6	17

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127	Large electric-field-induced strain in centrosymmetric crystals of a dipolar ruthenium alkynyl complex. Physical Chemistry Chemical Physics, 2015, 17, 10781-10785.	2.8	4
128	Mixed-metal cluster chemistry. 35. Syntheses and structural studies of Mo 3 Ir 3 (Î¼ 3 -O)(Î¼-CO) 3 (CO) 8 (Î· 5) Tj ETQq0 0 0 rgBT /Ov	1.8	3
129	Facile hydrothermal synthesis and optical limiting properties of TiO2-reduced graphene oxide nanocomposites. Carbon, 2015, 89, 130-141.	10.3	66
130	A hybrid ruthenium alkynyl/zinc porphyrin â€œCross FourchÃ©eâ€•with large cubic NLO properties. Dalton Transactions, 2015, 44, 7748-7751.	3.3	6
131	Single cyanide-bridged Mo(W)/S/Cu cluster-based coordination polymers: Reactant- and stoichiometry-dependent syntheses, effective photocatalytic properties. Journal of Solid State Chemistry, 2015, 231, 230-238.	2.9	9
132	A zinc(II) tetraphenylporphyrin peripherally functionalized with redox-active â€œtrans-[(Î·5-C5H5)Fe(Î·5-C5H4)C C](Î²2-dppe)2Ru(C C)-â€•substituents: Linear electrochromism and third-order nonlinear optics. Polyhedron, 2015, 86, 64-70.	2.2	18
133	A 1,3-dipolar cycloaddition protocol to porphyrin-functionalized reduced graphene oxide with a push-pull motif. Nano Research, 2015, 8, 870-886.	10.4	38
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