

Mark G Humphrey

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

343
papers

11,136
citations

57
h-index

88
g-index

390
ext. papers

12,189
ext. citations

5.7
avg, IF

6.25
L-index

#	Paper	IF	Citations
343	Strong SHG Responses in a Beryllium-Free Deep-UV-Transparent Hydroxyborate via Covalent Bond Modification. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	8
342	Strong SHG Responses in a Beryllium-Free Deep-UV-Transparent Hydroxyborate via Covalent Bond Modification. <i>Angewandte Chemie</i> , 2021 , 133, 27357	3.6	1
341	Molecular Engineering toward an Enlarged Optical Band Gap in a Bismuth Sulfate via Homovalent Cation Substitution. <i>Inorganic Chemistry</i> , 2021 , 60, 5851-5859	5.1	3
340	Switching the Nonparametric Optical Nonlinearity of Tungsten Oxide by Electrical Modulation. <i>Advanced Optical Materials</i> , 2021 , 9, 2002188	8.1	2
339	Nonlinear optical properties of meso-Tetra(fluorenyl)porphyrins peripherally functionalized with one to four ruthenium alkynyl substituents. <i>Dyes and Pigments</i> , 2021 , 188, 109155	4.6	6
338	UV Solar-Blind-Region Phase-Matchable Optical Nonlinearity and Anisotropy in a π -Conjugated Cation-Containing Phosphate. <i>Angewandte Chemie</i> , 2021 , 133, 14932-14936	3.6	12
337	DNA-Binding and Cytotoxicity of Copper(I) Complexes Containing Functionalized Dipyridylphenazine Ligands. <i>Pharmaceutics</i> , 2021 , 13,	6.4	9
336	Innentitelbild: UV Solar-Blind-Region Phase-Matchable Optical Nonlinearity and Anisotropy in a π -Conjugated Cation-Containing Phosphate (Angew. Chem. 27/2021). <i>Angewandte Chemie</i> , 2021 , 133, 14842-14842	3.6	
335	UV Solar-Blind-Region Phase-Matchable Optical Nonlinearity and Anisotropy in a π -Conjugated Cation-Containing Phosphate. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14806-14810	16.4	29
334	CsZrF ₄ (IO ₃): The First Polar Zirconium Iodate with cis-[ZrO ₂ F ₆] Polyhedra Inducing Optimized Balance of Large Band Gap and Second Harmonic Generation. <i>Chemistry of Materials</i> , 2021 , 33, 5555-5562	9.6	7
333	A ₂ MoO ₂ F ₃ (IO ₂ F ₂) (A = Rb, Cs): Strong Nonlinear Optical Responses and Enlarged Band Gaps through Fluorine Incorporation. <i>Chemistry of Materials</i> , 2021 , 33, 5700-5708	9.6	7
332	Effect of Net Charge on DNA-Binding, Protein-Binding and Anticancer Properties of Copper(I) Phosphine-Diimine Complexes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 3943-3952	3.2	5
331	Giant Optical Anisotropy in the UV-Transparent 2D Nonlinear Optical Material Sc(IO) (NO). <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3464-3468	16.4	54
330	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	3.6	23
329	Electrical Tuning of the Fifth-Order Optical Nonlinearity of Antimony-Doped Tin Oxide. <i>Advanced Optical Materials</i> , 2021 , 9, 2001357	8.1	5
328	Highly efficient room-temperature phosphorescent materials with a heavy-atom effect of bromine. <i>New Journal of Chemistry</i> , 2021 , 45, 4930-4933	3.6	2
327	Synergistic Effects for Enhanced Catalysis in a Dual Single-Atom Catalyst. <i>ACS Catalysis</i> , 2021 , 11, 1952-1961	9.1	48

326	First chiral fluorinated lead vanadate selenite Pb(VOF)(VO)(SeO) with five asymmetric motifs and large optical properties. <i>Dalton Transactions</i> , 2021 , 50, 7238-7245	4.3	4
325	Facile syntheses of silver thioantimonates exhibiting second-harmonic generation responses and large birefringence. <i>Dalton Transactions</i> , 2021 , 50, 3568-3576	4.3	6
324	Large Second-Harmonic Response and Giant Birefringence of CeF(SO) Induced by Highly Polarizable Polyhedra. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4138-4142	16.4	46
323	Giant Second-Harmonic Generation Response and Large Band Gap in the Partially Fluorinated Mid-Infrared Oxide RbTeMoOF. <i>Journal of the American Chemical Society</i> , 2021 , 143, 12455-12459	16.4	22
322	A Congruent-Melting Mid-Infrared Nonlinear Optical Vanadate Exhibiting Strong Second-Harmonic Generation. <i>Angewandte Chemie</i> , 2021 , 133, 22621-22627	3.6	2
321	A Congruent-Melting Mid-Infrared Nonlinear Optical Vanadate Exhibiting Strong Second-Harmonic Generation. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22447-22453	16.4	8
320	Two-photon absorption properties of multipolar triarylamino/tosylamido 1,1,4,4-tetracyanobutadienes. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 22283-22297	3.6	2
319	Rb ₃ In(SO ₄) ₃ : a defluorinated mixed main-group metal sulfate for ultraviolet transparent nonlinear optical materials with a large optical band gap. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5124-5131	7.1	5
318	Synthesis, structures, DNA-binding, cytotoxicity and molecular docking of CuBr(PPh ₃)(diimine). <i>Polyhedron</i> , 2020 , 192, 114847	2.7	10
317	Organometallic complexes for nonlinear optics. 66. Synthesis and quadratic nonlinear optical studies of trans-[Ru{CC{2,5-C ₄ H ₂ S-(E)-CHCH}n-2,5-C ₄ H ₂ S(NO ₂)}Cl(dppe) ₂] (n = 0). <i>Journal of Organometallic Chemistry</i> , 2020 , 919, 121306	2.3	1
316	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	9.6	23
315	Enhancement of Second-Order Optical Nonlinearity in a Lutetium Selenite by Monodentate Anion Partial Substitution. <i>Chemistry of Materials</i> , 2020 , 32, 3043-3053	9.6	24
314	Incorporating rare-earth cations with moderate electropositivity into iodates for the optimized second-order nonlinear optical performance. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 2736-2746	6.8	7
313	Transition metal complex/gold nanoparticle hybrid materials. <i>Chemical Society Reviews</i> , 2020 , 49, 2316-2344	5.8	18
312	DNA-Binding and Anticancer Activity of Binuclear Gold(I) Alkynyl Complexes with a Phenanthrenyl Bridging Ligand. <i>Molecules</i> , 2020 , 25,	4.8	14
311	Gd(NO)(SeO) ₃ BHO: a nitrate-selenite nonlinear optical material with a short ultraviolet cutoff edge. <i>Dalton Transactions</i> , 2020 , 49, 3253-3259	4.3	10
310	Synthesis, crystal structures and optical properties of open-framework gallium phosphates: NaGa ₃ F ₄ (PO ₄) ₂ (H ₂ O) ₂ and AGa ₂ P ₂ O ₇ (OH) ₃ (H ₂ O) (A = K, Rb). <i>Journal of Solid State Chemistry</i> , 2020 , 288, 121412	3.3	1
309	DNA-Binding Capabilities and Anticancer Activities of Ruthenium(II) Cymene Complexes with (Poly)cyclic Aromatic Diamine Ligands. <i>Molecules</i> , 2020 , 26,	4.8	4

308	Realizing Saturable Absorption and Reverse Saturable Absorption in a PEDOT:PSS Film via Electrical Modulation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 48982-48990	9.5	4
307	Ba(MoOF)(XO) (X = Se and Te): First Cases of Noncentrosymmetric Fluorinated Molybdenum Oxide Selenite/Tellurite Through Unary Substitution for Enlarging Band Gaps and Second Harmonic Generation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49812-49821	9.5	17
306	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. <i>Organic Letters</i> , 2020 , 22, 7942-7946	6.2	6
305	Hybrids of gold nanoparticles and oligo(p-phenyleneethynylene)s end-functionalized with alkynylruthenium groups: Outstanding two-photon absorption in the second biological window. <i>Nano Research</i> , 2020 , 13, 2755-2762	10	3
304	1,3,5-Triaryl-1,3,5-Triazinane-2,4,6-Trithiones: Synthesis, Electronic Structure and Linear Optical Properties. <i>Molecules</i> , 2020 , 25,	4.8	2
303	Nitro End Groups: Remarkable Vibrational Reporters for Charge Transfer in the Excited States of Oligo(p-phenyleneethynylene)-Bridged Donor-Acceptor Dyads. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 9755-9764	3.8	1
302	Ionothermal Synthesis of Metal Chalcogenides MAgSbS (M = Rb, Cs) Displaying Nonlinear Optical Activity in the Infrared Region. <i>Inorganic Chemistry</i> , 2019 , 58, 12582-12589	5.1	10
301	Collective nonlinear electric polarization via defect-driven local symmetry breaking. <i>Materials Horizons</i> , 2019 , 6, 1717-1725	14.4	16
300	Auxiliary ligand-induced structural diversities of octacyanometalate-based heterobimetallic coordination polymers towards diverse magnetic properties. <i>Dalton Transactions</i> , 2019 , 48, 7666-7676	4.3	2
299	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	5.1	26
298	Syntheses and quadratic nonlinear optical properties of 2,7-fluorenylene- and 1,4-phenylene-functionalized o-carboranes. <i>Dalton Transactions</i> , 2019 , 48, 12549-12559	4.3	3
297	In situ formed [M(CN) ₉] (M = W, Mo) as a building block for the construction of two nona-cyanometalate-bridged heterometallic coordination polymers. <i>CrystEngComm</i> , 2019 , 21, 4363-4372	2.3	0
296	K ₅ (W ₃ O ₉ F ₄)(IO ₃): An Efficient Mid-Infrared Nonlinear Optical Compound with High Laser Damage Threshold. <i>Chemistry of Materials</i> , 2019 , 31, 10100-10108	9.6	64
295	Exceptional Two-Photon Absorption in Alkynylruthenium-Gold Nanoparticle Hybrids. <i>Nano Letters</i> , 2019 , 19, 756-760	11.5	9
294	Linear Optical, Quadratic and Cubic Nonlinear Optical, Electrochemical, and Theoretical Studies of "Rigid-Rod" Bis-Alkynyl Ruthenium Complexes. <i>ChemPlusChem</i> , 2018 , 83, 630-642	2.8	9
293	Long-Range Corrected DFT Calculations of First Hyperpolarizabilities and Excitation Energies of Metal Alkynyl Complexes. <i>ChemPhysChem</i> , 2018 , 19, 1537-1546	3.2	8
292	Graphene and Carbon-Nanotube Nanohybrids Covalently Functionalized by Porphyrins and Phthalocyanines for Optoelectronic Properties. <i>Advanced Materials</i> , 2018 , 30, e1705704	24	51
291	Quadratic and cubic hyperpolarizabilities of nitro-phenyl/-naphthalenyl/-anthracenyl alkynyl complexes. <i>Dalton Transactions</i> , 2018 , 47, 4560-4571	4.3	11

290	Diamines as auxiliary ligands for tuning photophysical and electrochemical properties of Ruthenium(II) polypyridyl complexes. <i>Journal of Molecular Structure</i> , 2018 , 1158, 197-204	3.4	4
289	Carbon Nanohybrids: Graphene and Carbon-Nanotube Nanohybrids Covalently Functionalized by Porphyrins and Phthalocyanines for Optoelectronic Properties (Adv. Mater. 17/2018). <i>Advanced Materials</i> , 2018 , 30, 1870118	24	3
288	Recent advances in ultraviolet and deep-ultraviolet second-order nonlinear optical crystals. <i>Coordination Chemistry Reviews</i> , 2018 , 375, 459-488	23.2	115
287	Computational studies of the nonlinear optical properties of organometallic complexes. <i>Coordination Chemistry Reviews</i> , 2018 , 375, 389-409	23.2	20
286	Synthesis, characterization and third-order nonlinear optical properties of a dodecaruthenium organometallic dendrimer with a zinc(ii) tetraphenylporphyrin core. <i>Dalton Transactions</i> , 2018 , 47, 11123-11135	4.3	8
285	A simple and broadly applicable synthesis of fluorene-coupled D _A type molecules: towards high-triplet-energy bipolar hosts for efficient blue thermally-activated delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6949-6957	7.1	9
284	Photovoltaic Effect of a Ferroelectric-Luminescent Heterostructure under Infrared Light Illumination. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29786-29794	9.5	7
283	N-Donor/Fluorenyl o-Carborane Fluorophores with Strong Crystallization-Induced Emission. <i>ChemPhotoChem</i> , 2018 , 2, 369-379	3.3	7
282	Ruthenium Alkynyl Complexes in Non-Linear Optics. <i>Australian Journal of Chemistry</i> , 2018 , 71, 731	1.2	9
281	Quadratic and Cubic Optical Nonlinearities of Y-Shaped and Distorted-H-Shaped Arylalkynylruthenium Complexes. <i>Chemistry - A European Journal</i> , 2018 , 24, 16332-16341	4.8	5
280	SYNTHESIS OF SELECTED TRANSITION METAL AND MAIN GROUP COMPOUNDS WITH SYNTHETIC APPLICATIONS. <i>Inorganic Syntheses</i> , 2018 , 155-204		1
279	Optical limiting properties of (reduced) graphene oxide covalently functionalized by coordination complexes. <i>Coordination Chemistry Reviews</i> , 2018 , 375, 489-513	23.2	31
278	Linear and Third-Order Nonlinear Optical Properties of Fe(η -C ₅ Me ₅)(η -dppe)- and trans-Ru(η -dppe) ₂ -Alkynyl Complexes Containing 2-Fluorenyl End Groups. <i>Organometallics</i> , 2018 , 37, 2245-2262	3.8	15
277	Diphenylamino-substituted tristyril vs. triphenyl isocyanurates: improved conjugation has minimal impact on two-photon absorption. <i>New Journal of Chemistry</i> , 2018 , 42, 11289-11293	3.6	2
276	Facile Syntheses of Ba[BO(OH)] and Na[BO(OH)](HO) Borate Salts Exhibiting Nonlinear Optical Activity in the Ultraviolet. <i>Inorganic Chemistry</i> , 2017 , 56, 1340-1348	5.1	35
275	Organometallic Complexes for Non-Linear Optics. 59. Syntheses and Optical Properties of Some Octupolar (N-Heterocyclic Carbene)gold Complexes. <i>Australian Journal of Chemistry</i> , 2017 , 70, 79	1.2	2
274	Solvent-controlled syntheses of mixed-alkali-metal borates exhibiting UV nonlinear optical properties. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 692-700	6.8	18
273	High-nuclearity ruthenium carbonyl cluster chemistry. 9. Ligand substitution at decaruthenium carbonyl clusters. <i>Journal of Organometallic Chemistry</i> , 2017 , 849-850, 63-70	2.3	2

272	Stellar Multi-Photon Absorption Materials: Beyond the Telecommunication Wavelength Band. <i>Chemistry - A European Journal</i> , 2017 , 23, 8395-8399	4.8	9
271	Efficient crystallization-induced emission in fluorenyl-tethered carboranes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 12928-12935	3.6	22
270	[Fp*Fc][PF ₆]: A remarkable non-symmetric dinuclear cation in a very stable mixed-valent state. <i>Journal of Organometallic Chemistry</i> , 2017 , 847, 218-223	2.3	3
269	Ultrafast synthesis of molybdenum carbide nanoparticles for efficient hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22805-22812	13	44
268	Low-temperature-flux syntheses of ultraviolet-transparent borophosphates NaMBPO (M = Rb, Cs) exhibiting a second-harmonic generation response. <i>Dalton Transactions</i> , 2017 , 46, 12605-12611	4.3	14
267	Covalent-linked porphyrin/single-walled carbon nanotube nanohybrids: synthesis and influence of porphyrin substituents on nonlinear optical performance. <i>Carbon</i> , 2017 , 124, 618-629	10.4	16
266	Electronic Absorption, Emission and Two-Photon Absorption Properties of Some Functional 1,3,5-Triphenylbenzenes. <i>ChemistrySelect</i> , 2017 , 2, 8080-8085	1.8	1
265	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	8.5	34
264	Mixed-metal cluster chemistry. 39. Syntheses and X-ray structures of Mo ₃ Ir ₃ (μ -D-CO)(μ -CO)(CO) ₁₀ (μ -C ₅ H ₅) ₃ and Mo ₃ RhIr ₃ (μ -CO) ₄ (CO) ₇ (μ -C ₅ H ₅) ₃ (μ -C ₅ Me ₅). <i>Journal of Organometallic Chemistry</i> , 2017 , 829, 66-70	2.3	1
263	Covalent functionalization of reduced graphene oxide with porphyrin by means of diazonium chemistry for nonlinear optical performance. <i>Scientific Reports</i> , 2016 , 6, 23325	4.9	81
262	Syntheses and Optical Properties of Azo-Functionalized Ruthenium Alkynyl Complexes. <i>ChemPlusChem</i> , 2016 , 81, 621-628	2.8	7
261	Exceptionally large two- and three-photon absorption cross-sections by OPV organometalation. <i>Chemical Communications</i> , 2016 , 52, 8301-4	5.8	21
260	Phase separation synthesis of trinickel monophosphide porous hollow nanospheres for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10925-10932	13	53
259	Mixed-metal cluster chemistry. 37. Syntheses, structural, spectroscopic, electrochemical, and optical power limiting studies of tetranuclear molybdenum/iridium clusters. <i>Journal of Organometallic Chemistry</i> , 2016 , 812, 135-144	2.3	3
258	Ammonium-crown ether supramolecular cation-templated assembly of an unprecedented heterobicluster-metal coordination polymer with enhanced NLO properties. <i>Chemical Communications</i> , 2016 , 52, 3797-800	5.8	27
257	TiO ₂ /multi-walled carbon nanotube nanocomposites: hydrothermal synthesis and temporally-dependent optical properties. <i>RSC Advances</i> , 2016 , 6, 20120-20127	3.7	22
256	Tunable Carbon-Dot-Based Dual-Emission Fluorescent Nanohybrids for Ratiometric Optical Thermometry in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6621-8	9.5	139
255	Multi-walled carbon nanotubes covalently functionalized by axially coordinated metal-porphyrins: Facile syntheses and temporally dependent optical performance. <i>Nano Research</i> , 2016 , 9, 458-472	10	22

254	Functionalization of reduced graphene oxide with axially-coordinated metal-porphyrins: facile syntheses and temporally-dependent nonlinear optical properties. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 296-305	6.8	15
253	Linear Optical and Third-Order Nonlinear Optical Properties of Some Fluorenyl- and Triarylamine-Containing Tetracyanobutadiene Derivatives. <i>Chemistry - A European Journal</i> , 2016 , 22, 10155-67	4.8	22
252	Record Multiphoton Absorption Cross-Sections by Dendrimer Organometalation. <i>Angewandte Chemie</i> , 2016 , 128, 2433-2437	3.6	10
251	Synthesis, Optical, Electrochemical, and Theoretical Studies of Dipolar Ruthenium Alkynyl Complexes with Oligo(phenylenevinylene) Bridges. <i>ChemPlusChem</i> , 2016 , 81, 613-620	2.8	5
250	Record Multiphoton Absorption Cross-Sections by Dendrimer Organometalation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2387-91	16.4	29
249	Dynamic Permutational Isomerism in a closo-Cluster. <i>Chemistry - A European Journal</i> , 2016 , 22, 5128-32	4.8	5
248	Blue-shifted emission and enhanced quantum efficiency via bridge elongation in carbazole-carborane dyads. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 15719-26	3.6	40
247	Dual-emitting quantum dot/carbon nanodot-based nanoprobe for selective and sensitive detection of Fe(3+) in cells. <i>Analyst</i> , 2016 , 141, 4488-94	5	22
246	Investigation of the second hyperpolarizability of Ru-alkynyl complexes by z-scan and nonlinear scattering 2016 ,		2
245	Alkali metal-alkaline earth metal borate crystal LiBa ₃ (OH)(B ₉ O ₁₆)[B(OH) ₄] as a new deep-UV nonlinear optical material. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 8189-8196	7.1	19
244	Iron and Ruthenium Alkynyl Complexes with 2-Fluorenyl Groups: Some Linear and Nonlinear Optical Absorption Properties. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 3868-3882	2.3	15
243	Synthesis, structural, electrochemical, and spectroscopic studies of some (diimine)ruthenium nitrile complexes. <i>Journal of Coordination Chemistry</i> , 2015 , 68, 1476-1486	1.6	2
242	Phosphine, isocyanide, and alkyne reactivity at pentanuclear molybdenum/tungsten-iridium clusters. <i>Dalton Transactions</i> , 2015 , 44, 7292-304	4.3	3
241	Gold nanoclusters based dual-emission hollow TiO ₂ microsphere for ratiometric optical thermometry. <i>RSC Advances</i> , 2015 , 5, 61586-61592	3.7	16
240	Large electric-field-induced strain in centrosymmetric crystals of a dipolar ruthenium alkynyl complex. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 10781-5	3.6	4
239	Mixed-metal cluster chemistry. 35. Syntheses and structural studies of Mo ₃ Ir ₃ (B-O)(ECO) ₃ (CO) ₈ (C ₅ H ₅) ₃ , Mo ₄ Ir ₄ (ECO) ₄ (CO) ₉ (C ₅ H ₅) ₄ and Mo ₃ Ir ₅ (ECO) ₃ (Cl)(CO) ₆ (C ₅ H ₅) ₃ (C ₅ HMe ₄). <i>Journal of Organometallic Chemistry</i> , 2015 , 792, 46-50	2.3	2
238	Facile hydrothermal synthesis and optical limiting properties of TiO ₂ -reduced graphene oxide nanocomposites. <i>Carbon</i> , 2015 , 89, 130-141	10.4	60
237	A hybrid ruthenium alkynyl/zinc porphyrin "Cross Fourch" with large cubic NLO properties. <i>Dalton Transactions</i> , 2015 , 44, 7748-51	4.3	5

- 236 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 3.3 8
- 235 A zinc(II) tetraphenylporphyrin peripherally functionalized with redox-active $\text{trans}[\text{Fe}(\text{C}_5\text{H}_5)\text{Fe}(\text{C}_5\text{H}_4\text{C})\text{C}](\text{P}-\text{dppe})_2\text{Ru}(\text{C}-\text{C})$ -substituents: Linear electrochromism and third-order nonlinear optics. *Polyhedron*, **2015**, 86, 64-70 2.7 18
- 234 A 1,3-dipolar cycloaddition protocol to porphyrin-functionalized reduced graphene oxide with a push-pull motif. *Nano Research*, **2015**, 8, 870-886 10 24
- 233 A hydrothermal route to water-stable luminescent carbon dots as nanosensors for pH and temperature. *Carbon*, **2015**, 82, 87-95 10.4 312
- 232 Tetrazine chromophore-based metal-organic frameworks with unusual configurations: synthetic, structural, theoretical, fluorescent, and nonlinear optical studies. *Chemistry - A European Journal*, **2015**, 21, 7914-26 4.8 37
- 231 Syntheses, Spectroscopic, Electrochemical, and Third-Order Nonlinear Optical Studies of a Hybrid Tris{ruthenium(alkynyl)/(2-phenylpyridine)}iridium Complex. *Chemistry - A European Journal*, **2015**, 21, 11843-54 4.8 15
- 230 Syntheses of $\text{Ir}_4(\text{CO})_6(\text{P}-\text{C}_5\text{Me}_4\text{H})_2$ and $\text{Ir}_7(\text{P}-\text{CO})_3(\text{CO})_{12}(\text{P}-\text{C}_5\text{Me}_5)$ from Pentametallic Molybdenum-Iridium Cluster Precursors. *European Journal of Inorganic Chemistry*, **2015**, 2015, 2587-2591^{2,3} 1
- 229 Syntheses, Electrochemical, Linear Optical, and Cubic Nonlinear Optical Properties of Ruthenium-Alkynyl-Functionalized Oligo(phenylenevinylene) Stars. *ChemPlusChem*, **2015**, 80, 1329-1340^{2,8} 5
- 228 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 2.3 9
- 227 Synthesis and optical power limiting properties of heteroleptic Mo_3S_7 clusters. *Dalton Transactions*, **2015**, 44, 13163-72 4.3 18
- 226 2,7-Fluorenyldiyl-Bridged Complexes Containing Electroactive $\text{Re}(\text{P}-\text{C}_5\text{Me}_5)(\text{P}-\text{dppe})\text{C}\equiv\text{C}\text{End}$ Groups: Molecular Wires and Remarkable Nonlinear Electrochromes. *Organometallics*, **2015**, 34, 5418-5437^{3,8} 22
- 225 Allyloxyporphyrin-functionalized multiwalled carbon nanotubes: synthesis by radical polymerization and enhanced optical-limiting properties. *Chemistry - an Asian Journal*, **2014**, 9, 639-48 4.5 16
- 224 A facile approach to hetero-nanorods of $\text{Ag}_2\text{Se}/\text{MSe}$ (M = Cd, Zn) with enhanced third-order optical nonlinearity. *Journal of Materials Chemistry C*, **2014**, 2, 1418 7.1 18
- 223 Redox-Active Molecular Wires Derived from Dinuclear Ferrocenyl/Ruthenium(II) Alkynyl Complexes: Covalent Attachment to Hydrogen-Terminated Silicon Surfaces. *Journal of Physical Chemistry C*, **2014**, 118, 3680-3695 3.8 28
- 222 Cobalt phosphide nanorods as an efficient electrocatalyst for the hydrogen evolution reaction. *Nano Energy*, **2014**, 9, 373-382 17.1 403
- 221 Group 8 metal alkynyl complexes for nonlinear optics. *Journal of Organometallic Chemistry*, **2014**, 751, 181-200 2.3 65
- 220 DFT Calculation of Static First Hyperpolarizabilities and Linear Optical Properties of Metal Alkynyl Complexes. *Organometallics*, **2014**, 33, 2434-2447 3.8 24
- 219 $\text{Dl}(\text{Carbido})\text{Tetracos}(\text{Carbonyl})\text{-Decaruthenate}(2\text{I})\text{Salts}$. *Inorganic Syntheses*, **2014**, 124-126

218	Increased optical nonlinearities of graphene nanohybrids covalently functionalized by axially-coordinated porphyrins. <i>Carbon</i> , 2013 , 53, 327-338	10.4	94
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