

Thomas G Gray

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8022203/publications.pdf>

Version: 2024-02-01

74
papers

3,488
citations

126907

33
h-index

144013

57
g-index

85
all docs

85
docs citations

85
times ranked

3017
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetically Tunable White-, Green-, and Yellow-Green-Light Emission in Dual-Luminescent Gold(I) Complexes Bearing a Diphenylamino-2,7-fluorenyl Moiety. <i>Inorganic Chemistry</i> , 2022, 61, 1228-1235.	4.0	10
2	Organogold(I) fluorenyls: excited-state properties. , 2022, , .		0
3	Richard Hadley Holm: A Remembrance and A Tribute. <i>Comments on Inorganic Chemistry</i> , 2022, 42, 61-108.	5.2	2
4	$\hat{\text{I}}^2$ -Diketiminato-supported iridium photosensitizers with increased excited-state reducing power. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3253-3265.	6.0	8
5	Cellulose Nanocrystals: Accelerator and Reinforcing Filler for Epoxy Vitrimerization. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3419-3425.	8.0	33
6	Catalyst-Free Mechanochemical Recycling of Biobased Epoxy with Cellulose Nanocrystals. <i>ACS Applied Bio Materials</i> , 2021, 4, 4176-4183.	4.6	25
7	Enhancing Charge Transfer in (BIMCA)Pt(II) Alkynyls through the Use of Substituted Boranes. <i>Organometallics</i> , 2021, 40, 1555-1559.	2.3	3
8	Two-photon absorption characterization and comparison of Au(I) fluorenyl benzothiazole complexes in the visible wavelength regime. <i>Applied Optics</i> , 2021, 60, G199.	1.8	2
9	Excited-State Properties of (Alkynyl)Gold(I) Fluorenyls. , 2021, , .		0
10	Recycling Epoxy by Vitrimerization: Influence of an Initial Thermoset Chemical Structure. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12706-12712.	6.7	34
11	Photoactive Gold Organometallics Bearing Substituted 2,7-Fluorenyl Moieties. , 2020, , .		1
12	Synthesis and photophysics of gold(I) alkynyls bearing a benzothiazole-2,7-fluorenyl moiety: a comparative study analyzing influence of ancillary ligand, bridging moiety, and number of metal centers on photophysical properties. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11915-11927.	2.8	12
13	Vitrimerization: Converting Thermoset Polymers into Vitrimers. <i>ACS Macro Letters</i> , 2020, 9, 836-842.	4.8	59
14	Room-temperature Phosphorescent Platinum(II) Alkynyls with Microsecond Lifetimes Bearing a Strong-field Pincer Ligand. <i>Chemistry - A European Journal</i> , 2020, 26, 8417-8425.	3.3	12
15	9-Borabicyclononane Bipyridyl Complexes: Synthesis, Luminescence, and Electronic Characterization. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3738-3745.	2.0	3
16	Synthesis and Photophysical Properties of Laterally Asymmetric Digold(I) Alkynyls and Triazolyl: Ancillary Ligand and Organic Functionality Dictate Excited-State Dynamics. <i>Organometallics</i> , 2020, 39, 489-494.	2.3	11
17	(Isonitrile)platinum(II) Complexes of an Amido Bis(N-heterocyclic carbene) Pincer Ligand. <i>Organometallics</i> , 2020, 39, 1667-1671.	2.3	10
18	Photophysical properties of organogold(I) complexes bearing a benzothiazole-2,7-fluorenyl moiety: selection of ancillary ligand influences white light emission. <i>Dalton Transactions</i> , 2019, 48, 15917-15927.	3.3	28

#	ARTICLE	IF	CITATIONS
19	A zinc(ⁱⁱ) complex of di(naphthylethynyl)azadipyromethene with low synthetic complexity leads to OPV with high industrial accessibility. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24614-24625.	10.3	11
20	Highly Efficient Red-Emitting Bis-Cyclometalated Iridium Complexes. <i>Journal of the American Chemical Society</i> , 2018, 140, 10198-10207.	13.7	149
21	A tri-gold triazolide with long-lived luminescence. <i>Journal of Organometallic Chemistry</i> , 2016, 818, 68-71.	1.8	11
22	Bonding and Reactivity of a Dicopper(I) μ_4 -Boryl Cation. <i>Organometallics</i> , 2016, 35, 71-74.	2.3	19
23	Cyclometalated gold(ⁱⁱⁱ) trioxadiborin complexes: studies of the bonding and excited states. <i>Dalton Transactions</i> , 2016, 45, 3820-3830.	3.3	10
24	Fluoride Complexes of Cyclometalated Iridium(III). <i>Organometallics</i> , 2015, 34, 109-120.	2.3	21
25	A Metal-containing Nucleoside That Possesses Both Therapeutic and Diagnostic Activity against Cancer. <i>Journal of Biological Chemistry</i> , 2015, 290, 9714-9726.	3.4	8
26	Cyclometalated (boroxinato)gold(ⁱⁱⁱ) complexes from arrested transmetalation. <i>Chemical Communications</i> , 2015, 51, 15800-15803.	4.1	17
27	Suzuki-Miyaura coupling of arylboronic acids to gold(ⁱⁱⁱ). <i>Chemical Science</i> , 2015, 6, 981-986.	7.4	33
28	Cyclometalated Iridium(III) Complexes of Azadipyromethene Chromophores. <i>Organometallics</i> , 2014, 33, 637-643.	2.3	21
29	Geminally Diaurated Aryls Bridged by Semirigid Phosphine Pillars: Syntheses and Electronic Structure. <i>Chemistry - A European Journal</i> , 2014, 20, 17552-17564.	3.3	17
30	Azido, Triazolyl, and Alkynyl Complexes of Gold(I): Syntheses, Structures, and Ligand Effects. <i>Inorganic Chemistry</i> , 2013, 52, 9659-9668.	4.0	24
31	Gold(i) triazolyls: organometallic synthesis in air and aqueous media. <i>Chemical Communications</i> , 2013, 49, 5990.	4.1	30
32	Bonding and Reactivity of a μ_4 -Hydrido Dicopper Cation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12920-12923.	13.8	88
33	Room-temperature synthesis of cyclometalated iridium(iii) complexes: kinetic isomers and reactive functionalities. <i>Chemical Science</i> , 2013, 4, 1175.	7.4	26
34	Cyclometalated Iridium(III) Complexes with Deoxyribose Substituents. <i>Chemistry - A European Journal</i> , 2013, 19, 15924-15932.	3.3	27
35	Synthesis of a Trigold Monocation: An Isolobal Analogue of $[H_3]^+$. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12077-12080.	13.8	107
36	Rapid synthesis of arylgold compounds using dielectric heating. <i>Dalton Transactions</i> , 2012, 41, 13274.	3.3	26

#	ARTICLE	IF	CITATIONS
37	Subpicosecond Intersystem Crossing in Mono- and Di(organophosphine)gold(I) Naphthalene Derivatives in Solution. <i>Journal of the American Chemical Society</i> , 2012, 134, 14808-14817.	13.7	58
38	Gold(I) Complexes of Brominated Azadipyromethene Ligands. <i>Inorganic Chemistry</i> , 2012, 51, 7682-7688.	4.0	26
39	Gold-Containing Indoles as Anticancer Agents That Potentiate the Cytotoxic Effects of Ionizing Radiation. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2437-2451.	6.4	41
40	Arylgold(I) Complexes from Base-Assisted Transmetalation: Structures, NMR Properties, and Density-Functional Theory Calculations. <i>Inorganic Chemistry</i> , 2012, 51, 8394-8401.	4.0	45
41	Geminally Diaurated Gold(I) Aryls from Boronic Acids. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5924-5928.	13.8	85
42	Gold(I) Styrylbenzene, Distyrylbenzene, and Distyrylnaphthalene Complexes: High Emission Quantum Yields at Room Temperature. <i>Chemistry - A European Journal</i> , 2012, 18, 6316-6327.	3.3	23
43	Constrained Digold(I) Diaryls: Syntheses, Crystal Structures, and Photophysics. <i>Chemistry - A European Journal</i> , 2012, 18, 2100-2112.	3.3	41
44	Cytotoxic gold(i)-bearing dendrimers from alkyne precursors. <i>Dalton Transactions</i> , 2011, 40, 8083.	3.3	25
45	Red-Shifts upon Metal Binding: A Di-Gold(I)-Substituted Bithiophene. <i>Organometallics</i> , 2011, 30, 5071-5074.	2.3	13
46	Gold(i) halide complexes of bis(diphenylphosphine)diphenyl ether ligands: a balance of ligand strain and non-covalent interactions. <i>Dalton Transactions</i> , 2010, 39, 5388.	3.3	29
47	Excited-State Dynamics of (Organophosphine)gold(I) Pyrenyl Isomers. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1205-1211.	4.6	31
48	Divergent Electronic Structures of Isoelectronic Metalloclusters: Tungsten(II) Halides and Rhenium(III) Chalcogenide Halides. <i>Chemistry - A European Journal</i> , 2009, 15, 2581-2593.	3.3	34
49	Synthesis, Structures, and Excited-State Geometries of Alkynylgold(I) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2711-2719.	2.0	48
50	Facile syntheses of homoleptic diarylmercurials via arylboronic acids. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 213-218.	1.8	12
51	λ^5 -Tricarbonyl Rhenium(I) Azadipyromethene Complexes. <i>Organometallics</i> , 2009, 28, 5837-5840.	2.3	56
52	Three-Coordinate, Phosphine-Ligated Azadipyromethene Complexes of Univalent Group 11 Metals. <i>Inorganic Chemistry</i> , 2009, 48, 8134-8144.	4.0	30
53	Copper-Catalyzed Huisgen [3 + 2] Cycloaddition of Gold(I) Alkynyls with Benzyl Azide. Syntheses, Structures, and Optical Properties. <i>Organometallics</i> , 2009, 28, 6171-6182.	2.3	93
54	Probing the Steric Limits of Carbon σ -Gold Bond Formation: (Dialkylbiarylphosphine)gold(I) Aryls. <i>Organometallics</i> , 2009, 28, 1666-1674.	2.3	67

#	ARTICLE	IF	CITATIONS
55	Facile Synthesis of (Phosphine)- and (<i>N</i> -heterocyclic Carbene)Gold(I) and Silver(I) Azide Complexes. <i>Organometallics</i> , 2009, 28, 795-801.	2.3	36
56	Mono- and Di-Gold(I) Naphthalenes and Pyrenes: Syntheses, Crystal Structures, and Photophysics. <i>Organometallics</i> , 2009, 28, 5669-5681.	2.3	85
57	Homoleptic, Four-Coordinate Azadipyromethene Complexes of d^{10} Zinc and Mercury. <i>Inorganic Chemistry</i> , 2008, 47, 2338-2346.	4.0	72
58	Dialkylbiarylphosphine Complexes of Gold(I) Halides. Gold π -Aryl π -Interactions in the Solid State. <i>Organometallics</i> , 2008, 27, 28-32.	2.3	83
59	A porphyrin complex of Gold(I): (Phosphine)gold(I) azides as cation precursors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14293-14297.	7.1	27
60	Gold(I) Pyrenyls: Excited-State Consequences of Carbon π -Gold Bond Formation. <i>Organometallics</i> , 2007, 26, 3279-3282.	2.3	86
61	GILDED ORGANOMETALLICS. <i>Comments on Inorganic Chemistry</i> , 2007, 28, 181-212.	5.2	21
62	Carbon π -Gold Bond Formation through [3 + 2] Cycloaddition Reactions of Gold(I) Azides and Terminal Alkynes. <i>Organometallics</i> , 2007, 26, 183-186.	2.3	111
63	Luminescent, Three-Coordinate Azadipyromethene Complexes of d^{10} Copper, Silver, and Gold. <i>Inorganic Chemistry</i> , 2007, 46, 6218-6220.	4.0	76
64	Relativistic Functional Groups: Aryl Carbon π -Gold Bond Formation by Selective Transmetalation of Boronic Acids. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 8188-8191.	13.8	169
65	A model for two-electron mixed valence in metal π -metal bonded dirhodium compounds. <i>Chemical Communications</i> , 2005, , 1540-1542.	4.1	20
66	A Carbene-Stabilized Gold(I) Fluoride: Synthesis and Theory. <i>Organometallics</i> , 2005, 24, 4503-4505.	2.3	138
67	Cooperative Bimetallic Reactivity: Hydrogen Activation in Two-Electron Mixed-Valence Compounds. <i>Journal of the American Chemical Society</i> , 2004, 126, 9760-9768.	13.7	66
68	Excited-State Distortion of Rhenium(III) Sulfide and Selenide Clusters. <i>Journal of Physical Chemistry A</i> , 2004, 108, 3238-3243.	2.5	35
69	Synthesis, Structure, and CO ₂ Reactivity of a Two-Coordinate (Carbene)copper(I) Methyl Complex. <i>Organometallics</i> , 2004, 23, 1191-1193.	2.3	162
70	Spectroscopic and Photophysical Properties of Hexanuclear Rhenium(III) Chalcogenide Clusters. <i>Journal of the American Chemical Society</i> , 2003, 125, 4755-4770.	13.7	179
71	Site-Differentiated Hexanuclear Rhenium(III) Cyanide Clusters [Re ₆ Se ₈ (PEt ₃) _n (CN) _{6-n}] _{n-4} (n = 4, 5) and Kinetics of Solvate Ligand Exchange on the Cubic [Re ₆ Se ₈] ₂₊ Core. <i>Inorganic Chemistry</i> , 2002, 41, 4211-4216.	4.0	34
72	Synthesis and Structures of Solvated Monoclusters and Bridged Di- and Triclusters Based on the Cubic Building Block [Re ₆ (μ_3 -Se) ₈] ₂₊ . <i>Inorganic Chemistry</i> , 1999, 38, 4888-4895.	4.0	117

#	ARTICLE	IF	CITATIONS
73	Highly Emissive Hexanuclear Rhenium(III) Clusters Containing the Cubic Cores [Re ₆ S ₈] ²⁺ and [Re ₆ Se ₈] ²⁺ . <i>Inorganic Chemistry</i> , 1999, 38, 5932-5933.	4.0	117
74	Chemistry of C-Trimethylsilyl-Substituted Heterocarboranes. 26. Further Investigation of Oxidative Cage Closure, Cage Fusion, and Cage Isomerizations: Synthetic, Structural, and Bonding Studies on α -Carbons Adjacent and β -Carbons Apart Tetracarba-nido-dodecaborane(12) Derivatives. <i>Organometallics</i> , 1998, 17, 5294-5309.	2.3	16