I-Chia Chen

List of Publications by Year
in descending order

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59	927	430442	500791
papers	citations	18 h-index	28 g-index

60	60	60	1293
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Protein sensing in living cells by molecular rotor-based fluorescence-switchable chemical probes. Chemical Science, 2016, 7, 301-307.	3.7	76
2	A selective and sensitive fluorescent albumin probe for the determination of urinary albumin. Chemical Communications, 2014, 50, 11507-11510.	2.2	73
3	Three-center versus four-center elimination in photolysis of vinyl fluoride and vinyl bromide at 193 nm: Bimodal rotational distribution of HF and HBr (vâ©½5) detected with time-resolved Fourier transform spectroscopy. Journal of Chemical Physics, 2001, 114, 7396-7406.	1.2	56
4	A Rapid SNAP-Tag Fluorogenic Probe Based on an Environment-Sensitive Fluorophore for No-Wash Live Cell Imaging. ACS Chemical Biology, 2014, 9, 2359-2365.	1.6	51
5	S-Cis Diene Conformation: A New Bathochromic Shift Strategy for Near-Infrared Fluorescence Switchable Dye and the Imaging Applications. Journal of the American Chemical Society, 2018, 140, 5224-5234.	6.6	51
6	Vibrational levels of the transition state and rate of dissociation of triplet acetaldehyde. Journal of Chemical Physics, 1998, 109, 9340-9350.	1.2	40
7	Metalâ€Metal Bonding and Structures of Metal String Complexes Cr₃(dpa)₄Cl₂, Cr₃(dpa)₄(NCS)₂, and [Cr₃(dpa)₄Cl₂](PF₆) from IR, Raman, and Surface-Enhanced Raman Spectra. Journal of Physical Chemistry A, 2008, 112, 13528-13534.	1.1	36
8	Benzouracilâ€“coumarinâ€“arene conjugates as inhibiting agents for chikungunya virus. Antiviral Research, 2015, 118, 103-109.	1.9	35
9	Study of the Interaction between Gold Nanoparticles and Rose Bengal Fluorophores with Silica Spacers by Time-Resolved Fluorescence Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 26663-26671.	1.5	33
10	Metalâ€“metal bonding in metalâ€“string complexes M3(dpa)4X2 (M = Ni, Co, dpa = di(2-pyridyl)amido, and X) Tj ETQq0 0 0 rgBT /Over 181-185.	1.2	27
11	Characterization of Ir(ppy)3 and [Ir(ppy)2 bpy]+ by infrared, Raman spectra and surface-enhanced Raman scattering. Journal of Raman Spectroscopy, 2011, 42, 332-338.	1.2	24
12	Synthesis and Structure-Activity Relationships of Imidazole-Coumarin Conjugates against Hepatitis C Virus. Molecules, 2016, 21, 228.	1.7	24
13	Production of HCO from propenal photolyzed near 300 nm: Reaction mechanism and distribution of internal states of fragment HCO. Journal of Chemical Physics, 1999, 111, 8448-8453.	1.2	21
14	Total syntheses of (Â±)-montanin A and (Â±)-teuscorolide. Chemical Communications, 2008, , 4720.	2.2	20
15	Ligandâ€Unsupported Cuprophilicity in the Preparation of Dodecacopper(I) Complexes and Raman Studies. Angewandte Chemie - International Edition, 2018, 57, 9925-9929.	7.2	20
16	Theoretical characterization of photoinduced electron transfer in rigidly linked donorâ€“acceptor molecules: the fragment charge difference and the generalized Mullikenâ€“Hush schemes. Molecular Physics, 2010, 108, 2775-2789.	0.8	19
17	Kinetic Mechanism of Metal Enhanced Fluorescence by Gold Nanoparticle with Avidinâ€“Biotin as Spacer and by Goldâ€“Silver Coreâ€“Shell Nanoparticle Using Fluorescence Lifetime Image Microscopy. Journal of Physical Chemistry C, 2018, 122, 28431-28438.	1.5	19
18	Production of HCO from propenal photolyzed at 193 nm: Relaxation of excited states and distribution of internal states of fragment HCO. Journal of Chemical Physics, 2001, 114, 8964-8970.	1.2	18

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19	Metalâ€“Ligand Bonding Strength of Fluoro-Substituted Cyclometalated Iridium(III) Complexes from Raman and Infrared Spectra. Journal of Physical Chemistry C, 2011, 115, 17163-17174.	1.5	18
20	Charge-transfer and isomerization reactions of trans-4-(N-arylamino)stilbenes. Physical Chemistry Chemical Physics, 2016, 18, 28164-28174.	1.3	18
21	Controlling Conformations in Alternating Dialkylsilyleneâ€Spaced Donorâ€“Acceptor Copolymers by a Cooperative Thorpeâ€“Ingold Effect and Polymer Folding. Chemistry - A European Journal, 2012, 18, 334-346.	1.7	17
22	Excited-State Dynamics of [(1,1â€²-Biphenyl)-4,4-diyldi-2,1-ethenediyl]bis(dimethylsilane). Journal of Physical Chemistry A, 2009, 113, 1218-1224.	1.1	16
23	Excitedâ€State Dynamics of the Metal String Complex Co₃(dpa)₄(NCS)₂ from Femtosecond Transient Absorption Spectra. ChemPhysChem, 2010, 11, 466-473.	1.0	14
24	Fluorescence Lifetime of Trisâ€(8â€Hydroquinoline) Aluminum Thin Film and Solution. Journal of the Chinese Chemical Society, 2000, 47, 875-879.	0.8	12
25	Dynamics of the Excited States of p-Terphenyl and Tetracene: Soluteâ€“Solvent Interaction. Journal of Physical Chemistry C, 2011, 115, 22578-22586.	1.5	12
26	Quantum beats in the S1 dynamics of glyoxal. Journal of Chemical Physics, 2002, 116, 2447-2455.	1.2	11
27	State-resolved dissociation dynamics of glyoxal near the threshold for formation of fragment HCO. Journal of Chemical Physics, 2003, 119, 8347-8355.	1.2	11
28	Fluorescence switchable probes based on a molecular rotor for selective detection of proteins and small molecules. Chemical Communications, 2015, 51, 16197-16200.	2.2	11
29	Bonding between Chromium Atoms in Metal-String Complexes from Raman Spectra and Surface-Enhanced Raman Scattering: Vibrational Frequency of the Chromium Quadruple Bond. Journal of Physical Chemistry C, 2011, 115, 13919-13926.	1.5	10
30	Determination of the Valence State of Diruthenium Moiety Using Redox Reactions and Surface-Enhanced Raman Scattering: Application in Heterometal Extended Metal-Atom Chain Diruthenium Nickel Complexes. Journal of Physical Chemistry C, 2016, 120, 20297-20302.	1.5	10
31	Investigating the metal-enhanced fluorescence on fluorescein by silica core-shell gold nanoparticles using time-resolved fluorescence spectroscopy. Dyes and Pigments, 2021, 190, 109263.	2.0	10
32	Ultrafast Energy Transfer in a Regioregular Silylene-Spaced Copolymer. Journal of Physical Chemistry C, 2010, 114, 13909-13916.	1.5	9
33	Metalâ‹¯Metal Bonding and Structures of Metalâ‹¯String Complexes: Tripyridyldiamido Pentanickel and Pentacobalt from IR, Raman, and Surface-Enhanced Raman Scattering Spectra. Journal of Physical Chemistry C, 2011, 115, 2454-2461.	1.5	9
34	Metalâ€“metal bonding and structures of trinickel and tricobalt dipyridylamido complexes from surfaceâ€enhanced Raman spectra. Journal of Raman Spectroscopy, 2010, 41, 1694-1699.	1.2	8
35	Ultrafast Energy Transfer in Divinylbiphenyl and Divinylstilbene Copolymers Bridged by Silylene. Journal of Physical Chemistry C, 2013, 117, 64-70.	1.5	7
36	Determination of the Niâ€“Ni Bonding Strength in Metal-String Complexes Using Head-to-Head Nanorods and Electrochemical Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 6332-6339.	1.5	7

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37	On the Nanoaggregated Emitter of All sp²-Hybridized Bistriphenylenyl in the Device Layout of Organic Light-Emitting Diodes. Journal of Physical Chemistry C, 2008, 112, 3097-3102.	1.5	6
38	Substituent-Dependent Photophysical Properties Due to the Thorpeâ€“Ingold Effect on Foldings of Alternating Substituted Methyleneâ€“Diethynylbenzene Copolymers: A Comparison of Carbon versus Silicon Tethers. Macromolecules, 2015, 48, 8708-8717.	2.2	6
39	Distance-Dependent Excited-State Electron Transfer from Tryptophan to Gold Nanoparticles through Polyproline Helices. Journal of Physical Chemistry C, 2017, 121, 4882-4890.	1.5	6
40	Isomerization Reaction of mer- to fac-Tris(2-phenylpyridinato-N,C2â€²)Iridium(III) Monitored by Using Surface-Enhanced Raman Spectroscopy. Inorganic Chemistry, 2018, 57, 4448-4455.	1.9	6
41	The Total Synthesis of Racemic Teucvin and 12-epi-Teucvin. Angewandte Chemie, 2003, 115, 1895-1897.	1.6	5
42	Study of Electronic and Vibrational Structures of Reduced, Neutral, and Oxidized Ni₃(dpa)₄X₂ Using Density Functional Theory and Raman Spectroscopy. ACS Omega, 2020, 5, 15620-15630.	1.6	5
43	Excitedâ€State Dynamics of Metal String Complex Ni₃(dpa)₄X₂ from Femtosecond Transient Absorption Spectra. ChemPhysChem, 2010, 11, 517-524.	1.0	4
44	Charge and Energy Transfer Dynamics in Dimethylsilylene-Spaced Aminostyrene Stilbene Monomer Using Time-Resolved Techniques. Journal of Physical Chemistry A, 2017, 121, 7079-7088.	1.1	4
45	Excited state dynamics of symmetric and asymmetric Cr₃(dpa)₄Cl₂ measured using femtosecond transient absorption spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 25471-25477.	1.3	4
46	Influence of Lipid Compositions in the Events of Retinal Schiff Base of Bacteriorhodopsin Embedded in Covalently Circularized Nanodiscs: Thermal Isomerization, Photoisomerization, and Deprotonation. Journal of Physical Chemistry B, 2019, 123, 9123-9133.	1.2	4
47	Facet-Dependent Reduction Reaction of Diruthenium Metalâ€“String Complexes by Face-to-Face Linked Gold Nanocrystals. ACS Omega, 2019, 4, 5327-5334.	1.6	4
48	Photochemistry of Bacteriorhodopsin with Various Oligomeric Statuses in Controlled Membrane Mimicking Environments: A Spectroscopic Study from Femtoseconds to Milliseconds. Journal of Physical Chemistry B, 2019, 123, 2032-2039.	1.2	4
49	Quantum beats and Zeeman spectra of glyoxal from superposition of singlet and triplet states. Journal of Chemical Physics, 2002, 117, 1068-1076.	1.2	3
50	Triscyclometalated Iridium(III) Fluoroâ€Substituted Carbene Complexes: Character of Emitting Triplet States and Excited State Dynamics. Journal of the Chinese Chemical Society, 2013, 60, 965-973.	0.8	3
51	Investigating metalâ€enhanced fluorescence effect on fluorescein by gold nanotriangles and nanocubes using timeâ€resolved fluorescence spectroscopy. Journal of the Chinese Chemical Society, 2022, 69, 82-93.	0.8	3
52	Distributions of rovibrational states of secondary product NO Xâ€‰2Î from photodissociation of nitric acid at 193 nm. Journal of Chemical Physics, 1997, 107, 7223-7229.	1.2	2
53	Interaction of T₁ and S₁ States of h₄â€and d₄â€Acetaldehyde Using a Quantumâ€Beat Technique. Journal of the Chinese Chemical Society, 1998, 45, 509-515.	0.8	2
54	Investigation of the cisâ€“trans structures and isomerization of oligoprolines by using Raman spectroscopy and density functional theory calculations: soluteâ€“solvent interactions and effects of terminal positively charged amino acid residues. RSC Advances, 2020, 10, 34493-34500.	1.7	2

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55	Electronic states and vibrational structures of symâ€•and unsymâ€Co ₃ (dipyridylamine) ₄ Cl ₂ using temperatureâ€controlled Raman and surfaceâ€enhanced Raman spectroscopy. Journal of Raman Spectroscopy, 0, , .	1.2	1
56	Dispersed Fluorescence Spectroscopy and Transition Dipole Moment of HCO Î² ²Aâ€²â€Ì„²Aâ€². Journal of the Chinese Chemical Society, 1996, 43, 217-223.	0.8	0
57	RÃ¼cktitelbild: Ligand-Unsupported Cuprophilicity in the Preparation of Dodecacopper(I) Complexes and Raman Studies (Angew. Chem. 31/2018). Angewandte Chemie, 2018, 130, 10134-10134.	1.6	0
58	Rapid relaxation pathway of the excited state of linear merocyanines in solutions. Journal of the Chinese Chemical Society, 2019, 66, 1105-1118.	0.8	0
59	Multilayers of avidinâ€“biotin complexes as spacers used in the study of the effect of metalâ€enhanced fluorescence. Journal of the Chinese Chemical Society, 0, , .	0.8	0