

I-Chia Chen

List of Publications by Year in descending order

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60
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60
times ranked

1293
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating metal-enhanced fluorescence effect on fluorescein by gold nanotriangles and nanocubes using time-resolved fluorescence spectroscopy. <i>Journal of the Chinese Chemical Society</i> , 2022, 69, 82-93.	0.8	3
2	Investigating the metal-enhanced fluorescence on fluorescein by silica core-shell gold nanoparticles using time-resolved fluorescence spectroscopy. <i>Dyes and Pigments</i> , 2021, 190, 109263.	2.0	10
3	Investigation of the <i>cis</i> - <i>trans</i> structures and isomerization of oligoprolines by using Raman spectroscopy and density functional theory calculations: solute-solvent interactions and effects of terminal positively charged amino acid residues. <i>RSC Advances</i> , 2020, 10, 34493-34500.	1.7	2
4	Study of Electronic and Vibrational Structures of Reduced, Neutral, and Oxidized Ni ₃ (dpa) ₄ X ₂ Using Density Functional Theory and Raman Spectroscopy. <i>ACS Omega</i> , 2020, 5, 15620-15630.	1.6	5
5	Rapid relaxation pathway of the excited state of linear merocyanines in solutions. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1105-1118.	0.8	0
6	Influence of Lipid Compositions in the Events of Retinal Schiff Base of Bacteriorhodopsin Embedded in Covalently Circularized Nanodiscs: Thermal Isomerization, Photoisomerization, and Deprotonation. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9123-9133.	1.2	4
7	Facet-Dependent Reduction Reaction of Diruthenium Metal-String Complexes by Face-to-Face Linked Gold Nanocrystals. <i>ACS Omega</i> , 2019, 4, 5327-5334.	1.6	4
8	Photochemistry of Bacteriorhodopsin with Various Oligomeric Statuses in Controlled Membrane Mimicking Environments: A Spectroscopic Study from Femtoseconds to Milliseconds. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2032-2039.	1.2	4
9	Determination of the Ni-Ni Bonding Strength in Metal-String Complexes Using Head-to-Head Nanorods and Electrochemical Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6332-6339.	1.5	7
10	Ligand-Unsupported Cuprophilicity in the Preparation of Dodecacopper(I) Complexes and Raman Studies. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9925-9929.	7.2	20
11	Isomerization Reaction of <i>mer</i> - to <i>fac</i> -Tris(2-phenylpyridinato-N,C2)Iridium(III) Monitored by Using Surface-Enhanced Raman Spectroscopy. <i>Inorganic Chemistry</i> , 2018, 57, 4448-4455.	1.9	6
12	<i>S</i> - <i>Cis</i> Diene Conformation: A New Bathochromic Shift Strategy for Near-Infrared Fluorescence Switchable Dye and the Imaging Applications. <i>Journal of the American Chemical Society</i> , 2018, 140, 5224-5234.	6.6	51
13	Ligand-Unsupported Cuprophilicity in the Preparation of Dodecacopper(I) Complexes and Raman Studies (<i>Angew. Chem.</i> 31/2018). <i>Angewandte Chemie</i> , 2018, 130, 10134-10134.	1.6	0
14	Kinetic Mechanism of Metal Enhanced Fluorescence by Gold Nanoparticle with Avidin-Biotin as Spacer and by Gold-Silver Core-Shell Nanoparticle Using Fluorescence Lifetime Image Microscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 28431-28438.	1.5	19
15	Distance-Dependent Excited-State Electron Transfer from Tryptophan to Gold Nanoparticles through Polyproline Helices. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4882-4890.	1.5	6
16	Charge and Energy Transfer Dynamics in Dimethylsilylene-Spaced Aminostyrene Stilbene Monomer Using Time-Resolved Techniques. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7079-7088.	1.1	4
17	Excited state dynamics of symmetric and asymmetric Cr ₃ (dpa) ₄ Cl ₂ measured using femtosecond transient absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25471-25477.	1.3	4
18	Synthesis and Structure-Activity Relationships of Imidazole-Coumarin Conjugates against Hepatitis C Virus. <i>Molecules</i> , 2016, 21, 228.	1.7	24

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19	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. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20297-20302.	1.5	10
20	Charge-transfer and isomerization reactions of trans-4-(N-arylamino)stilbenes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28164-28174.	1.3	18
21	Protein sensing in living cells by molecular rotor-based fluorescence-switchable chemical probes. <i>Chemical Science</i> , 2016, 7, 301-307.	3.7	76
22	Substituent-Dependent Photophysical Properties Due to the Thorpe-Ingold Effect on Foldings of Alternating Substituted Methylene-Diethynylbenzene Copolymers: A Comparison of Carbon versus Silicon Tethers. <i>Macromolecules</i> , 2015, 48, 8708-8717.	2.2	6
23	Benzouracil-coumarin-arene conjugates as inhibiting agents for chikungunya virus. <i>Antiviral Research</i> , 2015, 118, 103-109.	1.9	35
24	Fluorescence switchable probes based on a molecular rotor for selective detection of proteins and small molecules. <i>Chemical Communications</i> , 2015, 51, 16197-16200.	2.2	11
25	Study of the Interaction between Gold Nanoparticles and Rose Bengal Fluorophores with Silica Spacers by Time-Resolved Fluorescence Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26663-26671.	1.5	33
26	A selective and sensitive fluorescent albumin probe for the determination of urinary albumin. <i>Chemical Communications</i> , 2014, 50, 11507-11510.	2.2	73
27	A Rapid SNAP-Tag Fluorogenic Probe Based on an Environment-Sensitive Fluorophore for No-Wash Live Cell Imaging. <i>ACS Chemical Biology</i> , 2014, 9, 2359-2365.	1.6	51
28	Ultrafast Energy Transfer in Divinylbiphenyl and Divinylstilbene Copolymers Bridged by Silylene. <i>Journal of Physical Chemistry C</i> , 2013, 117, 64-70.	1.5	7
29	Triscyclometalated Iridium(III) Fluoro-Substituted Carbene Complexes: Character of Emitting Triplet States and Excited State Dynamics. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 965-973.	0.8	3
30	Controlling Conformations in Alternating Dialkylsilylene-Spaced Donor-Acceptor Copolymers by a Cooperative Thorpe-Ingold Effect and Polymer Folding. <i>Chemistry - A European Journal</i> , 2012, 18, 334-346.	1.7	17
31	Metal-Ligand Bonding Strength of Fluoro-Substituted Cyclometalated Iridium(III) Complexes from Raman and Infrared Spectra. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17163-17174.	1.5	18
32	Metal-Metal Bonding and Structures of Metal-String Complexes: Tripyridyldiamido Pentanickel and Pentacobalt from IR, Raman, and Surface-Enhanced Raman Scattering Spectra. <i>Journal of Physical Chemistry C</i> , 2011, 115, 2454-2461.	1.5	9
33	Bonding between Chromium Atoms in Metal-String Complexes from Raman Spectra and Surface-Enhanced Raman Scattering: Vibrational Frequency of the Chromium Quadruple Bond. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13919-13926.	1.5	10
34	Dynamics of the Excited States of <i>p</i> -Terphenyl and Tetracene: Solute-Solvent Interaction. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22578-22586.	1.5	12
35	Characterization of Ir(ppy) ₃ and [Ir(ppy) ₂ bpy] ⁺ by infrared, Raman spectra and surface-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 332-338.	1.2	24
36	Theoretical characterization of photoinduced electron transfer in rigidly linked donor-acceptor molecules: the fragment charge difference and the generalized Mulliken-Hush schemes. <i>Molecular Physics</i> , 2010, 108, 2775-2789.	0.8	19

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37	Excited-State Dynamics of the Metal String Complex $\text{Co}_3(\text{dpa})_4(\text{NCS})_2$ from Femtosecond Transient Absorption Spectra. <i>ChemPhysChem</i> , 2010, 11, 466-473.	1.0	14
38	Excited-State Dynamics of Metal String Complex $\text{Ni}_3(\text{dpa})_4\text{X}_2$ from Femtosecond Transient Absorption Spectra. <i>ChemPhysChem</i> , 2010, 11, 517-524.	1.0	4
39	Metal-metal bonding and structures of trinickel and tricobalt dipyriddyamido complexes from surface-enhanced Raman spectra. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1694-1699.	1.2	8
40	Ultrafast Energy Transfer in a Regioregular Silylene-Spaced Copolymer. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13909-13916.	1.5	9
41	Excited-State Dynamics of [(1,1'-Biphenyl)-4,4'-diylidene-2,1-ethenediyl]bis(dimethylsilane). <i>Journal of Physical Chemistry A</i> , 2009, 113, 1218-1224.	1.1	16
42	Metal-metal bonding in metal-string complexes $\text{M}_3(\text{dpa})_4\text{X}_2$ (M = Ni, Co, dpa = di(2-pyridyl)amido, and X) <i>Journal of Physical Chemistry A</i> , 2009, 113, 181-185.	1.2	27
43	Total syntheses of (Δ)-montanin A and (Δ)-teuscorolide. <i>Chemical Communications</i> , 2008, , 4720.	2.2	20
44	Metal-Metal Bonding and Structures of Metal String Complexes $\text{Cr}_3(\text{dpa})_4\text{Cl}_2$, $\text{Cr}_3(\text{dpa})_4(\text{NCS})_2$, and $[\text{Cr}_3(\text{dpa})_4\text{Cl}_2](\text{PF}_6)_6$ from IR, Raman, and Surface-Enhanced Raman Spectra. <i>Journal of Physical Chemistry A</i> , 2008, 112, 13528-13534.	1.1	36
45	On the Nanoaggregated Emitter of All sp^2 -Hybridized Bistriphenylenyl in the Device Layout of Organic Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3097-3102.	1.5	6
46	The Total Synthesis of Racemic Teucvin and 12-epi-Teucvin. <i>Angewandte Chemie</i> , 2003, 115, 1895-1897.	1.6	5
47	State-resolved dissociation dynamics of glyoxal near the threshold for formation of fragment HCO. <i>Journal of Chemical Physics</i> , 2003, 119, 8347-8355.	1.2	11
48	Quantum beats and Zeeman spectra of glyoxal from superposition of singlet and triplet states. <i>Journal of Chemical Physics</i> , 2002, 117, 1068-1076.	1.2	3
49	Quantum beats in the S1 dynamics of glyoxal. <i>Journal of Chemical Physics</i> , 2002, 116, 2447-2455.	1.2	11
50	Three-center versus four-center elimination in photolysis of vinyl fluoride and vinyl bromide at 193 nm: Bimodal rotational distribution of HF and HBr ($v=1/2$) detected with time-resolved Fourier transform spectroscopy. <i>Journal of Chemical Physics</i> , 2001, 114, 7396-7406.	1.2	56
51	Production of HCO from propenal photolyzed at 193 nm: Relaxation of excited states and distribution of internal states of fragment HCO. <i>Journal of Chemical Physics</i> , 2001, 114, 8964-8970.	1.2	18
52	Fluorescence Lifetime of Tris(8-Hydroquinoline) Aluminum Thin Film and Solution. <i>Journal of the Chinese Chemical Society</i> , 2000, 47, 875-879.	0.8	12
53	Production of HCO from propenal photolyzed near 300 nm: Reaction mechanism and distribution of internal states of fragment HCO. <i>Journal of Chemical Physics</i> , 1999, 111, 8448-8453.	1.2	21
54	Vibrational levels of the transition state and rate of dissociation of triplet acetaldehyde. <i>Journal of Chemical Physics</i> , 1998, 109, 9340-9350.	1.2	40

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55	Interaction of T ₁ and S ₁ States of h ₄ and d ₄ Acetaldehyde Using a Quantum Beat Technique. Journal of the Chinese Chemical Society, 1998, 45, 509-515.	0.8	2
56	Distributions of rovibrational states of secondary product NO ₂ from photodissociation of nitric acid at 193 nm. Journal of Chemical Physics, 1997, 107, 7223-7229.	1.2	2
57	Dispersed Fluorescence Spectroscopy and Transition Dipole Moment of HCO ² ₂ . Journal of the Chinese Chemical Society, 1996, 43, 217-223.	0.8	0
58	Electronic states and vibrational structures of sym ₃ and unsym ₃ Co ₃ (dipyridylamine) ₄ Cl ₂ using temperature-controlled Raman and surface-enhanced Raman spectroscopy. Journal of Raman Spectroscopy, 0, , .	1.2	1
59	Multilayers of avidin-biotin complexes as spacers used in the study of the effect of metal-enhanced fluorescence. Journal of the Chinese Chemical Society, 0, , .	0.8	0