

Yong Du

List of Publications by Year in descending order

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92
papers

1,261
citations

411340

20
h-index

488211

31
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93
all docs

93
docs citations

93
times ranked

1096
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of terahertz metamaterials based on the laser-induced forward transfer. <i>Optik</i> , 2021, 227, 165961.	1.4	1
2	Vibrational spectral and structural characterization of multicomponent ternary co-crystal formation within acetazolamide, nicotinamide and 2-pyridone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 245, 118885.	2.0	17
3	Terahertz and Raman Spectroscopic Investigation of Anti-tuberculosis Drug-Drug Cocrystallization Involving 4-aminosalicylic Acid and Pyrazinamide. <i>Journal of Molecular Structure</i> , 2021, 1227, 129547.	1.8	12
4	Ultrasensitive terahertz sensing with high- Q toroidal dipole resonance governed by bound states in the continuum in all-dielectric metasurface. <i>Nanophotonics</i> , 2021, 10, 1295-1307.	2.9	160
5	Electron transfer from guanosine to the lowest triplet excited state of 4-nitroindole through hydrogen-bonded complex. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 408, 113106.	2.0	3
6	Terahertz and Raman Spectroscopic Investigation of Monohydrate Cocrystal of Antitubercular Isoniazid with Protocatechuic Acid. <i>Pharmaceutics</i> , 2021, 13, 1303.	2.0	15
7	Fabrication of terahertz metamaterials using patterned laser lift-off with low-viscosity silver nanopaste. <i>Optical Engineering</i> , 2021, 60, .	0.5	0
8	Investigation into two cocrystals of gliclazide using experimental vibrational spectroscopy combined with DFT theoretical simulation. , 2021, , .		0
9	Cocrystal Formation between Isoniazid and Aromatic Carboxylic Acids Based on Terahertz Spectroscopy. , 2021, , .		0
10	Structural insights into anhydrous and monohydrated forms of 2,4,6-trihydroxybenzoic acid based on Raman and terahertz spectroscopic characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117436.	2.0	9
11	Vibrational Spectroscopic Investigation into Novel Ternary Eutectic Formed between Pyrazinamide, Fumaric Acid, and Isoniazid. <i>ACS Omega</i> , 2020, 5, 17266-17274.	1.6	11
12	A Feasible Approach to Detect Pesticides in Food Samples Using THz-FDS and Chemometrics. <i>Journal of Spectroscopy</i> , 2020, 2020, 1-10.	0.6	7
13	Solid phase drug-drug pharmaceutical co-crystal formed between pyrazinamide and diflunisal: Structural characterization based on terahertz/Raman spectroscopy combining with DFT calculation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 234, 118265.	2.0	22
14	Ultrasensitive detection of saccharides using terahertz sensor based on metallic nano-slits. <i>Scientific Reports</i> , 2020, 10, 3712.	1.6	8
15	Investigation of typical sartan pharmaceuticals by terahertz absorption spectroscopy and density functional theory. , 2020, , .		0
16	Direct observation of transient species generated from protonation and deprotonation of the lowest triplet of p -nitrophenylphenol. <i>Chinese Journal of Chemical Physics</i> , 2020, 33, 635-641.	0.6	5
17	Raman and Terahertz Spectroscopic Characterization of Solid-state Cocrystal Formation within Specific Active Pharmaceutical Ingredients. <i>Current Pharmaceutical Design</i> , 2020, 26, 4829-4846.	0.9	4
18	Terahertz Investigation of Drug-Drug Cocrystal Involving 4-aminosalicylic Acid and Pyrazinamide. , 2020, , .		0

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19	Cocrystal Formation between Isoniazid and Protocatechuic Acid Based on Terahertz Spectroscopy and DFT Simulation. , 2020, , .		0
20	Terahertz Spectroscopic Investigation into Cocrystal Formation Process within Lamivudine and Theophylline. , 2020, , .		0
21	Terahertz detection of toxic gas using a photonic crystal fiber. <i>Optical Fiber Technology</i> , 2019, 52, 101990.	1.4	23
22	Pharmaceutical Cocrystal Formation of Pyrazinamide with 3-Hydroxybenzoic Acid: A Terahertz and Raman Vibrational Spectroscopies Study. <i>Molecules</i> , 2019, 24, 488.	1.7	25
23	Structure and spectroscopic characterization of pharmaceutical co-crystal formation between acetazolamide and 4-hydroxybenzoic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 419-426.	2.0	10
24	Hydrogen bond configuration and protonation of ground and lowest excited triplet states of 4-aminonitrophenyl based on nanosecond transient absorption spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 217, 44-50.		7
25	Structural investigation of a 2:1 co-crystal between diflunisal and isonicotinamide based on terahertz and Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 216, 98-104.	2.0	13
26	Co-Crystal Formation of Antibiotic Nitrofurantoin Drug and Melamine Co-Former Based on a Vibrational Spectroscopic Study. <i>Pharmaceutics</i> , 2019, 11, 56.	2.0	18
27	Highly sensitive terahertz fingerprint sensing with high-Q guided resonance in photonic crystal cavity. <i>Optics Express</i> , 2019, 27, 16071.	1.7	14
28	Intermolecular Hydrogen Abstraction from Hydroxy Group and Alkyl by T ₁ (ππ*) of 1-Chloro-4-nitronaphthalene. <i>Journal of Physical Chemistry A</i> , 2018, 122, 1831-1837.	1.1	5
29	Direct observation of stepwise intermolecular proton and hydrogen transfer between alcohols and the triplet state of 4-nitro-1-naphthol. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 11876-11881.	1.3	6
30	Spectroscopic investigation on structure and pH dependent Cocrystal formation between gamma-aminobutyric acid and benzoic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 191, 377-381.	2.0	11
31	Structural investigation of anhydrous nitrofurantoin and its monohydrate based on terahertz/Raman vibrational spectroscopy and density functional theory. <i>Journal of Molecular Structure</i> , 2018, 1153, 170-178.	1.8	7
32	Investigation into Polymorphism of Lamivudine Using Terahertz Time-domain Spectroscopy. , 2018, , .		0
33	Investigation into structure and dehydration dynamic of gallic acid monohydrate: A Raman spectroscopic study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 201, 128-133.	2.0	15
34	Investigation into tautomeric polymorphism of 2-thiobarbituric acid using experimental vibrational spectroscopy combined with DFT theoretical simulation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 99-104.	2.0	20
35	Structural investigation of the cocrystal formed between 5-fluorocytosine and fumaric acid based on vibrational spectroscopic technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 178, 251-257.	2.0	24
36	Solid-state cocrystal formation between acyclovir and fumaric acid: Terahertz and Raman vibrational spectroscopic studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 186, 29-36.	2.0	19

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37	Dynamic investigation of cocrystallization between piracetam and hydroquinone with terahertz time-domain spectroscopy. , 2017, , .		0
38	Raman and Terahertz Spectroscopic Investigation of Cocrystal Formation Involving Antibiotic Nitrofurantoin Drug and Coformer 4-aminobenzoic Acid. Crystals, 2016, 6, 164.	1.0	13
39	Spectroscopic investigation on cocrystal formation between adenine and fumaric acid based on infrared and Raman techniques. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 580-585.	2.0	37
40	Investigation of Polymorphism and Cocrystallization of Active Pharmaceutical Ingredients Using Vibrational Spectroscopic Techniques. Current Pharmaceutical Design, 2016, 22, 4917-4928.	0.9	16
41	Investigation of the Influence of Nitro-Substitution on the Reaction of Biphenyl-Nitrene and Nitrenium Ion by Transient Absorption and Resonance Raman Spectroscopic Techniques. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 415-421.	2.2	0
42	Time-resolved spectroscopic and density functional theory investigation of the photochemistry of suprofen. Journal of Raman Spectroscopy, 2015, 46, 117-125.	1.2	14
43	Terahertz Spectroscopic Analysis of Adenine and Fumaric Acid Cocrystals. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2015, 31, 221-226.	2.2	7
44	Terahertz spectroscopic characterization of naphthalene and 1-nitronaphthalene. , 2015, , .		1
45	Terahertz spectroscopical investigation of cocrystal formation process of piracetam and 3-hydroxybenzoic acid. , 2015, , .		0
46	Direct Observation of 4-Phenoxyphenylnitrenium Ion: A Transient Absorption and Transient Resonance Raman Study. Journal of Physical Chemistry B, 2015, 119, 14720-14727.	1.2	3
47	Vibrational spectroscopic study of polymorphism and polymorphic transformation of the anti-viral drug lamivudine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 1158-1163.	2.0	22
48	Raman and terahertz spectroscopical investigation of cocrystal formation process of piracetam and 3-hydroxybenzoic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 139, 488-494.	2.0	26
49	Investigation of thermal denaturation of solid oxytocin by terahertz dielectric spectroscopy. , 2014, , .		0
50	Investigation of thermal denaturation of solid bovine serum albumin by terahertz dielectric spectroscopy. Journal of Molecular Structure, 2013, 1049, 441-445.	1.8	7
51	Characteristics of chiral and racemic ketoprofen drugs using terahertz time-domain spectroscopy. Proceedings of SPIE, 2013, , .	0.8	0
52	Using terahertz time-domain spectroscopical technique to monitor cocrystal formation between piracetam and 2,5-dihydroxybenzoic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 111, 192-195.	2.0	40
53	Conformational characteristics of chiral and racemic naproxen molecules investigated by terahertz time-domain spectroscopy. Proceedings of SPIE, 2012, , .	0.8	0
54	Monitoring Cocrystal Formation of Binary Mixture of Piracetam and 2,5-dihydroxybenzoic Acid Compounds by Terahertz Spectroscopical Technique. , 2012, , .		0

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55	Investigating the position isomerism effect of dihydroxybenzoic acid compounds by terahertz time-domain spectroscopy. Proceedings of SPIE, 2012, , .	0.8	0
56	Femtosecond Stimulated Raman Spectroscopy Using a Scanning Multichannel Technique. Applied Spectroscopy, 2012, 66, 227-232.	1.2	24
57	Terahertz spectral study of L- and DL-fudosteine. Proceedings of SPIE, 2012, , .	0.8	0
58	Characterization of Polymorphism in Sulfamethoxazole Pharmaceutical Molecule Using Terahertz Time-domain Spectroscopy. , 2012, , .		2
59	Thermal denaturation of protein studied by terahertz time-domain spectroscopy. , 2012, , .		1
60	Influence of the chloro substituent position on the triplet reactivity of benzophenone derivatives: a time-resolved resonance Raman and density functional theory study. Journal of Raman Spectroscopy, 2012, 43, 774-780.	1.2	5
61	Femtosecond Transient Absorption, Nanosecond Time-Resolved Resonance Raman, and Density Functional Theory Study of Fenofibric Acid in Acetonitrile and Isopropyl Alcohol Solvents. Journal of Physical Chemistry A, 2011, 115, 14168-14174.	1.1	5
62	Time-Resolved Resonance Raman and Computational Investigation of the Influence of 4-Acetamido and 4-Methylacetamido Substituents on the Chemistry of Phenylnitrene. Journal of Physical Chemistry A, 2011, 115, 7521-7530.	1.1	7
63	Spectroscopy studies on the selected nitropolycyclic aromatic hydrocarbons compounds in the terahertz region. , 2011, , .		0
64	Terahertz Time-Domain Spectroscopy of L- and DL-Fudosteine. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2011, 27, 2743-2748.	2.2	5
65	Unravelling the Reaction Mechanism for the Fast Photocyclisation of 2-Benzoylpyridine in Aqueous Solvent by Time-Resolved Spectroscopy and Density Functional Theory Calculations. Chemistry - A European Journal, 2010, 16, 6961-6972.	1.7	8
66	Water Concentration Dependent Photochemistry of Ketoprofen in Neutral Aqueous Solutions. , 2010, , .		0
67	Water Assisted and Acid Catalyzed Decarboxylation Reactions of Ketoprofen in Aqueous Solutions. , 2010, , .		0
68	Unravelling the Fast Photocyclisation Reaction Mechanism(s) of 2-Benzoylpyridine in Aqueous Solvent by Time-resolved Spectroscopy. , 2010, , .		0
69	Water concentration dependent photochemistry of ketoprofen in aqueous solutions. Physical Chemistry Chemical Physics, 2010, 12, 4800.	1.3	35
70	Theoretical analysis of anharmonic coupling and cascading Raman signals observed with femtosecond stimulated Raman spectroscopy. Journal of Chemical Physics, 2009, 131, 244512.	1.2	44
71	Time-Resolved Resonance Raman and Density Functional Theory Investigation of the Photochemistry of (<i>S</i>)-Ketoprofen. Journal of Physical Chemistry B, 2009, 113, 10530-10539.	1.2	42
72	Time-Resolved Resonance Raman and Density Functional Theory Investigation of the Photoreactions of Benzophenone in Aqueous Solution. Journal of Physical Chemistry A, 2009, 113, 3344-3352.	1.1	28

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73	Time-Resolved Resonance Raman Study of the Effect of pH on the Photoreactions of 3-Benzoylpyridine in Aqueous Solution. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12215-12224.	1.1	5
74	Density Functional Theory and Time-Resolved Resonance Raman Investigation of the Photocyclization of 2-Pyridyl Phenyl Ketone in Acid Solution. <i>Journal of Physical Chemistry A</i> , 2009, 113, 1999-2003.	1.1	2
75	Time-resolved resonance Raman and density functional theory study of the photochemistry of 4-benzoylpyridine in acetonitrile and 2-propanol. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 503-514.	1.2	17
76	Time-resolved resonance Raman and density functional theory study of the deprotonation reaction of the triplet state of <i>para</i> -hydroxybenzophenone in mixed acetonitrile/water solutions. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 1518-1525.	1.2	9
77	Time-Resolved Resonance Raman Observation of the Dimerization of Didehydroazepines in Solution. <i>Journal of Physical Chemistry A</i> , 2008, 112, 1502-1510.	1.1	9
78	Reaction of the 4-Biphenylnitrenium Ion with 4-Biphenyl Azide to Produce a 4,4'-Azobisbiphenyl Stable Product: A Time-Resolved Resonance Raman and Density Functional Theory Study. <i>Journal of Physical Chemistry A</i> , 2008, 112, 11582-11589.	1.1	9
79	Time-Resolved Resonance Raman Identification and Structural Characterization of a Light Absorbing Transient Intermediate in the Photoinduced Reaction of Benzophenone in 2-Propanol. <i>Journal of Organic Chemistry</i> , 2007, 72, 7148-7156.	1.7	41
80	A Theoretical Investigation of <i>p</i> -Hydroxyphenacyl Caged Phototrigger Compounds: How Water Induces the Photodeprotection and Subsequent Rearrangement Reactions. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11832-11842.	1.2	16
81	Time-Resolved Resonance Raman Investigation of the 2-Fluorenylnitrenium Ion Reactions with C8 Guanosine Derivatives. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12676-12684.	1.2	21
82	Femtosecond Transient Absorption and Nanosecond Time-Resolved Resonance Raman Study of the Solvent-Dependent Photo-Deprotection Reaction of Benzoin Diethyl Phosphate. <i>Chemistry - A European Journal</i> , 2007, 13, 2290-2305.	1.7	22
83	A Theoretical Investigation of <i>p</i> -Hydroxyphenacyl Caged Phototrigger Compounds: An Examination of the Excited State Photochemistry of <i>p</i> -Hydroxyphenacyl Acetate. <i>Journal of Physical Chemistry A</i> , 2006, 110, 12406-12413.	1.1	20
84	Ultrafast Time-Resolved Transient Absorption and Resonance Raman Spectroscopy Study of the Photodeprotection and Rearrangement Reactions of <i>p</i> -Hydroxyphenacyl Caged Phosphates. <i>Journal of the American Chemical Society</i> , 2006, 128, 2558-2570.	6.6	77
85	Water-Catalyzed Dehalogenation Reactions of the Isomer of CBr ₄ and Its Reaction Products and a Comparison to Analogous Reactions of the Isomers of Di- and Trihalomethanes. <i>Chemistry - A European Journal</i> , 2005, 11, 1093-1108.	1.7	18
86	Water-Catalyzed O-H Insertion/HI Elimination Reactions of Isodihalomethanes (CH ₂ XI, Where X = Cl, Br, I) of Physical Chemistry A, 2005, 109, 981-998.	1.1	22
87	Ultraviolet Photolysis of CH ₂ I ₂ in Methanol: O-H Insertion and HI Elimination Reactions To Form a Dimethoxymethane Product. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1247-1256.	1.1	16
88	Comparison of the Dehalogenation of Dihalomethanes (CH ₂ XI, where X = Cl, Br, I) Following Ultraviolet Photolysis in Aqueous and NaCl Saltwater Environments. <i>Journal of Physical Chemistry A</i> , 2005, 109, 5872-5882.	1.1	12
89	Efficient dehalogenation of polyhalomethanes and production of strong acids in aqueous environments: Water-catalyzed O-H-insertion and HI-elimination reactions of isodiiodomethane (CH ₂ I ₂) with water. <i>Journal of Chemical Physics</i> , 2004, 120, 9017-9032.	1.2	21
90	Assignment of charge transfer absorption band in optical absorption spectra of the adsorbate-silver colloid system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 535-539.	2.0	20

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91	Comparison of the dehalogenation of polyhalomethanes and production of strong acids in aqueous and salt (NaCl) water environments: Ultraviolet photolysis of CH ₂ I ₂ . Journal of Chemical Physics, 2004, 121, 8399.	1.2	11
92	Ultrafast time-resolved transient infrared and resonance Raman spectroscopic study of the photo-deprotection and rearrangement reactions of p-hydroxyphenacyl caged phosphates. Faraday Discussions, 0, 145, 171-183.	1.6	10