L D Ziegler

List of Publications by Year
in descending order

72	2,977	172457	161849
papers	citations	29 h-index	54 g-index

78	78	78	2299
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Conjugate Acidâ€“Base Interaction Driven Phase Transition at a 2D Airâ€“Water Interface. Journal of Physical Chemistry B, 2021, 125, 6330-6337.	2.6	5
2	Surface enhanced Raman scattering specificity for detection and identification of dried bloodstains. Forensic Science International, 2021, 328, 111000.	2.2	20
3	Vibrational line shape effects in plasmon-enhanced stimulated Raman spectroscopies. Journal of Chemical Physics, 2021, 155, 194701.	3.0	2
4	Surface enhanced Raman scattering for robust, sensitive detection and confirmatory identification of dried bloodstains. Analyst, The, 2020, 145, 6097-6110.	3.5	21
5	Anomalous pH-Dependent Enhancement of p-Methyl Benzoic Acid Sum-Frequency Intensities: Cooperative Surface Adsorption Effects. Journal of Physical Chemistry A, 2020, 124, 3064-3076.	2.5	6
6	Two-dimensional infrared spectroscopy from the gas to liquid phase: density dependentJ-scrambling, vibrational relaxation, and the onset of liquid character. Physical Chemistry Chemical Physics, 2019, 21, 21249-21261.	2.8	8
7	Surface enhanced Raman spectroscopy of Chlamydia trachomatis and Neisseria gonorrhoeae for diagnostics, and extra-cellular metabolomics and biochemical monitoring. Scientific Reports, 2018, 8, 5163.	3.3	31
8	Ultrafast Two-Dimensional Infrared Spectroscopy of a Quasifree Rotor: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>J</mml:mi></mml:mrow></mml:math> Scrambling and Perfectly Anticorrelated Cross Peaks. Physical Review Letters, 2018, 120, 103401.	7.8	13
9	Rapid urinary tract infection diagnostics by surface-enhanced Raman spectroscopy (SERS): identification and antibiotic susceptibilities. Analytical and Bioanalytical Chemistry, 2017, 409, 3043-3054.	3.7	67
10	Structure Making and Breaking Effects of Cations in Aqueous Solution: Nitrous Oxide Pumpâ€“Probe Measurements. Journal of Physical Chemistry B, 2016, 120, 10569-10580.	2.6	8
11	Origin of Dispersive Line Shapes in Plasmonically Enhanced Femtosecond Stimulated Raman Spectra. Journal of Physical Chemistry C, 2016, 120, 20998-21006.	3.1	14
12	NIR Raman spectra of whole human blood: effects of laser-induced and in vitro hemoglobin denaturation. Analytical and Bioanalytical Chemistry, 2014, 406, 193-200.	3.7	73
13	Dispersed Three-Pulse Infrared Photon Echoes of Nitrous Oxide in Water and Octanol. Journal of Physical Chemistry B, 2013, 117, 15774-15785.	2.6	4
14	Surface-Enhanced Raman Scattering of Whole Human Blood, Blood Plasma, and Red Blood Cells: Cellular Processes and Bioanalytical Sensing. Journal of Physical Chemistry B, 2012, 116, 9376-9386.	2.6	188
15	Rapid bacterial diagnostics via surface enhanced Raman microscopy. Spectroscopy (Santa Monica), 2012, 27, s8-31.	1.0	5
16	Electron Correlation Effects on the Femtosecond Dephasing Dynamics ofE₂₂Excitons in (6,5) Carbon Nanotubes. Journal of Physical Chemistry A, 2011, 115, 3917-3923.	2.5	15
17	On the Molecular Origin of Bacterial SERS Spectra. , 2010, , .		2
18	Surface-Enhanced Raman Scattering of Microorganisms. , 2010, , .		0

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19	Nanoaggregate Embedded Beads as SERS Nanosensor for Multiplexed Pathogen Detection. , 2010, , .		0
20	Ultrafast H[sub 2] and D[sub 2] rotational Raman responses in near critical CO[sub 2]: An experimental and theoretical study of anisotropic solvation dynamics. Journal of Chemical Physics, 2009, 131, 054501.	3.0	7
21	Barcoding bacterial cells: a SERSâ€based methodology for pathogen identification. Journal of Raman Spectroscopy, 2008, 39, 1660-1672.	2.5	179
22	Surface-Enhanced Raman Scattering of Microorganisms. ACS Symposium Series, 2007, , 164-185.	0.5	16
23	Characterization of the Surface Enhanced Raman Scattering (SERS) of Bacteria. Journal of Physical Chemistry B, 2005, 109, 312-320.	2.6	475
24	Ultrafast Two-Photon Absorption Approach to Optical Line Shape Measurementsâ€. Journal of Physical Chemistry A, 2003, 107, 8282-8294.	2.5	0
25	A Novel Technique for the Measurement of Polarization-Specific Ultrafast Raman Responses. Journal of Physical Chemistry A, 2001, 105, 9851-9858.	2.5	13
26	A unified treatment of ultrafast optical heterodyne detected and Z-scan spectroscopies. Journal of Chemical Physics, 2001, 114, 3586-3597.	3.0	16
27	The femtosecond birefringence of CO2: from the high pressure gas to the liquid phase. Journal of Raman Spectroscopy, 2000, 31, 85-94.	2.5	8
28	A combined instantaneous normal mode and time correlation function description of the optical Kerr effect and Raman spectroscopy of liquid CS2. Journal of Chemical Physics, 2000, 112, 4186-4192.	3.0	38
29	Optical heterodyne detected spectrograms of ultrafast nonresonant electronic responses. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 652.	2.1	13
30	The probe frequency dependence of nonresonant femtosecond pumpâ€“probe nuclear responses: Undercutting vibrational inhomogeneities. Journal of Chemical Physics, 1999, 110, 5893-5905.	3.0	22
31	Controlling nonpolar solvation time scales: An instantaneous normal mode viewpoint. Journal of Chemical Physics, 1997, 107, 9878-9889.	3.0	4
32	Dispersed Optical Heterodyne Detected Birefringence and Dichroism of Transparent Liquids. Journal of Physical Chemistry A, 1997, 101, 5456-5462.	2.5	40
33	A molecular dynamics analysis of resonance emission: Optical dephasing and inhomogeneous broadening of CH3I in CH4and Ar. Journal of Chemical Physics, 1996, 104, 3886-3897.	3.0	18
34	An instantaneous normal mode analysis of solvation: Methyl iodide in high pressure gases. Journal of Chemical Physics, 1996, 105, 7034-7046.	3.0	39
35	The resonance fluorescence polarization of free rotors: Methyl iodide in methane and carbon dioxide. Journal of Chemical Physics, 1996, 105, 3984-3993.	3.0	4
36	A molecular dynamics study of electronic absorption line broadening in highâ€pressure nonpolar gases. Journal of Chemical Physics, 1995, 103, 7673-7684.	3.0	25

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37	A resonance Raman polarization study of the mode-specific subpicosecond photodissociation of the NO2 22B2 state. Journal of Raman Spectroscopy, 1994, 25, 497-506.	2.5	10
38	Femtosecond polarization spectroscopy: A density matrix description. Journal of Chemical Physics, 1994, 100, 1823-1839.	3.0	69
39	Resonance hyperâ€Raman scattering polarization. A measure of methyl iodide Bâ€state subpicosecond lifetimes. Journal of Chemical Physics, 1993, 98, 150-157.	3.0	14
40	Polarization analysis of the 266-nm excited resonance Raman spectrum of methyl iodide. The Journal of Physical Chemistry, 1993, 97, 3139-3145.	2.9	32
41	Spectroscopic Applications of Phase-Locked Femtosecond Pulses. Springer Series in Chemical Physics, 1993, , 99-104.	0.2	1
42	Transient Dichroism Studies of I2 Predissociation in Solution. Springer Series in Chemical Physics, 1993, , 49-52.	0.2	0
43	Nonlinear polarization description of phaseâ€locked pulseâ€pair spectroscopy. Journal of Chemical Physics, 1992, 97, 4704-4713.	3.0	15
44	Fluorescenceâ€detected wave packet interferometry. II. Role of rotations and determination of the susceptibility. Journal of Chemical Physics, 1992, 96, 4180-4194.	3.0	131
45	Heterodyneâ€detected timeâ€domain measurement of I2 predissociation and vibrational dynamics in solution. Journal of Chemical Physics, 1992, 96, 5544-5547.	3.0	118
46	Isotopic Dependence of the Methyl-Radical Rydberg 3 s Predissociation Dynamics. ACS Symposium Series, 1992, , 297-309.	0.5	1
47	Predissociation Dynamics and Structure of the Higher Vibronic Levels in the Methyl Radical Rydberg 3s State. Springer Proceedings in Physics, 1992, , 218-219.	0.2	0
48	Subpicosecond predissociation dynamics of the methyl radical Rydberg 3 s state. Journal of Chemical Physics, 1991, 94, 270-276.	3.0	37
49	Modeâ€specific subpicosecond photodissociation dynamics of the methyl iodideBstate. Journal of Chemical Physics, 1991, 95, 288-296.	3.0	38
50	The resonance rotational Raman effect: a probe of excited-state short-time dynamics. The Journal of Physical Chemistry, 1990, 94, 3394-3403.	2.9	28
51	Hyper-Raman spectroscopy. Journal of Raman Spectroscopy, 1990, 21, 769-779.	2.5	117
52	The spontaneous resonance Raman scattering of CH3I in a supersonic jet. Journal of Chemical Physics, 1990, 92, 2806-2817.	3.0	47
53	An experimental study of radiationâ€induced pure dephasing: ArF excited emission of O2. Journal of Chemical Physics, 1990, 93, 8605-8615.	3.0	6
54	Schumann-Runge resonance Raman scattering of oxygen: a rotationally resolved excitation profile study. The Journal of Physical Chemistry, 1989, 93, 6665-6671.	2.9	16

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55	Depolarization ratios of resonance Raman scattering in the gas phase. Journal of Chemical Physics, 1989, 90, 4125-4143.	3.0	47
56	Rovibrational Raman scattering of CH3I vapor: Resonance with a perpendicularly polarized electronic transition. Journal of Chemical Physics, 1989, 90, 4115-4124.	3.0	20
57	The vibronic theory of resonance hyperâ€Raman scattering. Journal of Chemical Physics, 1988, 88, 7287-7294.	3.0	85
58	Rotational hyperâ€Raman excitation profiles: Further evidence of Jâ€dependent subpicosecond dynamics of NH3. Journal of Chemical Physics, 1988, 89, 4692-4699.	3.0	33
59	Resonance rotational hyperâ€Raman scattering intensities of symmetric top molecules. Journal of Chemical Physics, 1987, 87, 4498-4509.	3.0	40
60	Rotational Raman excitation profiles of symmetric tops: Subpicosecond rotation dependent lifetimes in the Ài state of ammonia. Journal of Chemical Physics, 1987, 86, 1703-1714.	3.0	52
61	Resonance rotational Raman scattering of symmetric tops: A probe of molecular photodissociation. Journal of Chemical Physics, 1986, 84, 6013-6026.	3.0	56
62	Rovibronic absorption analysis of the Ài←Xì transition of ammonia. Journal of Chemical Physics, 1985, 82, 664-669.	3.0	95
63	Resonance rovibronic Raman scattering of ammonia. The Journal of Physical Chemistry, 1984, 88, 1110-1116.	2.9	63
64	Resonance rovibrational Raman scattering as a probe of unimolecular subpicosecond dynamics. Journal of Chemical Physics, 1984, 81, 6399-6400.	3.0	20
65	Resonance Raman spectra of mononucleotides obtained with 266 and 213 nm ultraviolet radiation. Biopolymers, 1984, 23, 2067-2081.	2.4	56
66	Resonance Raman scattering of ethylene: Evidence for a twisted geometry in the V state. Journal of Chemical Physics, 1983, 79, 1197-1202.	3.0	62
67	Vibronic coupling activity in the resonance Raman spectra of alkyl benzenes. Journal of Chemical Physics, 1983, 79, 1134-1137.	3.0	51
68	Resonance Raman scattering of benzene and benzeneâ€d6 with 212.8 nm excitation. Journal of Chemical Physics, 1981, 74, 982-992.	3.0	107
69	Ultraviolet preresonance Raman scattering of benzene derivatives. II. Interference effects in the excitation profiles of the vibronically active fundamentals. Journal of Chemical Physics, 1979, 70, 2644-2651.	3.0	21
70	Preresonance Raman scattering of overtones: The scattering of two overtones of benzene in the ultraviolet. Journal of Raman Spectroscopy, 1979, 8, 73-80.	2.5	18
71	Ultraviolet preresonance Raman scattering of benzene derivatives. I. Excitation profiles for fundamentals. Journal of Chemical Physics, 1979, 70, 2634-2643.	3.0	28
72	Calculations of resonance Raman cross sections in forbidden electronic transitions: Scattering of the 992 cmâ¯1 mode in the 1B2u band of benzene. Journal of Chemical Physics, 1978, 68, 1248-1252.	3.0	44