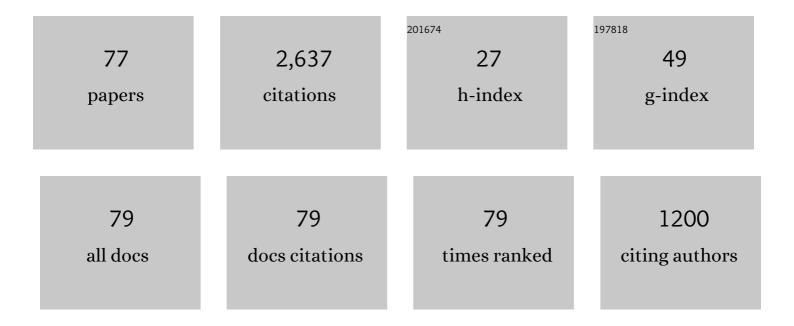
List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4744989/publications.pdf Version: 2024-02-01



DETED M FEIKED

#	Article	IF	CITATIONS
1	Purely rotational coherence effect and timeâ€resolved subâ€Doppler spectroscopy of large molecules. I. Theoretical. Journal of Chemical Physics, 1987, 86, 2460-2482.	3.0	192
2	Dynamics of intramolecular vibrationalâ€energy redistribution (IVR). II. Excess energy dependence. Journal of Chemical Physics, 1985, 82, 2975-2993.	3.0	164
3	Dynamics of intramolecular vibrationalâ€energy redistribution (IVR). I. Coherence effects. Journal of Chemical Physics, 1985, 82, 2961-2974.	3.0	147
4	Spectroscopy of pendular states in opticalâ€fieldâ€aligned species. Journal of Chemical Physics, 1996, 104, 1147-1150.	3.0	131
5	Nonlinear Raman Studies of Weakly Bound Complexes and Clusters in Molecular Beams. Chemical Reviews, 1994, 94, 1787-1805.	47.7	119
6	Purely rotational coherence effect and timeâ€resolved subâ€Doppler spectroscopy of large molecules. II. Experimental. Journal of Chemical Physics, 1987, 86, 2483-2499.	3.0	109
7	Dynamics of intramolecular vibrationalâ€energy redistribution (IVR). III. Role of molecular rotations. Journal of Chemical Physics, 1985, 82, 2994-3002.	3.0	107
8	Observation of restricted IVR in large molecules: Quasi-periodic behavior, phase-shifted and non-phase-shifted quantum beats. Chemical Physics Letters, 1983, 102, 113-119.	2.6	87
9	Direct Observation of Nonchaotic Multilevel Vibrational Energy Flow in Isolated Polyatomic Molecules. Physical Review Letters, 1984, 53, 501-504.	7.8	87
10	Intermolecular Raman bands in the ground state of benzene dimer. Journal of Chemical Physics, 1993, 99, 748-751.	3.0	84
11	Direct picosecond time resolution of dissipative intramolecular vibrational-energy redistribution (IVR) in isolated molecules. Chemical Physics Letters, 1984, 108, 303-310.	2.6	70
12	The Raman and vibronic activity of intermolecular vibrations in aromatic ontaining complexes and clusters. Journal of Chemical Physics, 1994, 101, 8391-8408.	3.0	57
13	Ground-state intermolecular spectroscopy and pendular states in benzene–argon. Journal of Chemical Physics, 1997, 107, 2193-2204.	3.0	56
14	Nonlinear Raman spectroscopy of intermolecular vibrations in benzene-(water)n clusters. Chemical Physics Letters, 1995, 241, 603-610.	2.6	50
15	Jet spectroscopy of isoquinoline. Chemical Physics Letters, 1983, 94, 448-453.	2.6	47
16	Characterization of asymmetry transients in rotational coherence spectroscopy. Journal of Chemical Physics, 1992, 96, 4118-4130.	3.0	46
17	Optical-field-induced pendular states and pendular band contours in symmetric tops. Journal of Chemical Physics, 1998, 108, 6763-6779.	3.0	44
18	Rotational Coherence Spectroscopy and Structure of Naphthalene Trimer. Journal of Physical Chemistry A, 1999, 103, 1442-1446.	2.5	44

#	Article	IF	CITATIONS
19	Theory of rotational coherence spectroscopy as implemented by picosecond fluorescence depletion schemes. Journal of Chemical Physics, 1991, 94, 7649-7666.	3.0	36
20	Communication: Quantum six-dimensional calculations of the coupled translation-rotation eigenstates of H2O@C60. Journal of Chemical Physics, 2016, 144, 201101.	3.0	36
21	Explaining the symmetry breaking observed in the endofullerenes H <sub>2</sub> @C <sub>60</sub> , HF@C <sub>60</sub> , and H <sub>2</sub> O@C <sub>60</sub> . Physical Chemistry Chemical Physics, 2017, 19, 31274-31283.	2.8	36
22	Stepwise solvation of molecules as studies by picosecond-jet spectroscopy: dynamics and spectra. Chemical Physics Letters, 1983, 94, 454-460.	2.6	30
23	Raman spectroscopy of naphthalene clusters. Evidence for a symmetrical trimer and an unsymmetrical tetramer. Chemical Physics Letters, 1995, 242, 632-638.	2.6	30
24	Computational and experimental investigation of intermolecular states and forces in the benzene–helium van der Waals complex. Journal of Chemical Physics, 2003, 119, 12956-12964.	3.0	30
25	Photodissociation of partially solvated molecules in beams by the picosecondâ€ <del>j</del> et technique: Hydrogen bond breakage. Journal of Chemical Physics, 1983, 78, 5266-5268.	3.0	29
26	Intramolecular dephasing in pyrazine: deuterium isotope effect and further tests of theory. Chemical Physics Letters, 1986, 128, 221-230.	2.6	29
27	Weakly bound molecular dimers: Intramolecular vibrational fundamentals, overtones, and tunneling splittings from full-dimensional quantum calculations using compact contracted bases of intramolecular and low-energy rigid-monomer intermolecular eigenstates. Journal of Chemical Physics, 2019, 151, 024305.	3.0	28
28	HCl–H <sub>2</sub> O dimer: an accurate full-dimensional potential energy surface and fully coupled quantum calculations of intra- and intermolecular vibrational states and frequency shifts. Physical Chemistry Chemical Physics, 2021, 23, 7101-7114.	2.8	28
29	Structural characterization of clusters of perylene with argon and neon by rotational coherence spectroscopy. Chemical Physics Letters, 1992, 191, 362-370.	2.6	27
30	The size dependence of ground-state collective vibrational modes in molecular clusters. Benzene dimer through pentamer. Chemical Physics Letters, 1994, 224, 544-550.	2.6	27
31	Raman/vibronic double-resonance spectroscopy of benzene-doped argon clusters. Chemical Physics Letters, 1992, 198, 628-636.	2.6	26
32	H2, HD, and D2 in the small cage of structure II clathrate hydrate: Vibrational frequency shifts from fully coupled quantum six-dimensional calculations of the vibration-translation-rotation eigenstates. Journal of Chemical Physics, 2019, 150, 154303.	3.0	25
33	Flexible water molecule in C60: Intramolecular vibrational frequencies and translation-rotation eigenstates from fully coupled nine-dimensional quantum calculations with small basis sets. Journal of Chemical Physics, 2020, 152, 014108.	3.0	25
34	Intramolecular stretching vibrational states and frequency shifts of (H2)2 confined inside the large cage of clathrate hydrate from an eight-dimensional quantum treatment using small basis sets. Journal of Chemical Physics, 2019, 151, 124311.	3.0	23
35	Fourier transform coherent Raman spectroscopy. Chemical Physics Letters, 1987, 134, 503-506.	2.6	22
36	Six-dimensional calculation of intermolecular states in molecule-large molecule complexes by filter diagonalization: Benzene–H2O. Journal of Chemical Physics, 1999, 110, 8461-8475.	3.0	22

#	Article	IF	CITATIONS
37	The Benzeneâ^'Argon Ground-State Intermolecular Potential Energy Surface Revisited. Journal of Physical Chemistry A, 2009, 113, 5212-5216.	2.5	22
38	Electric-dipole-coupled H <sub>2</sub> O@C <sub>60</sub> dimer: Translation-rotation eigenstates from twelve-dimensional quantum calculations. Journal of Chemical Physics, 2017, 146, 084303.	3.0	22
39	Intermolecular vibrations of naphthalene trimer by ionization-detected stimulated Raman spectroscopy. Journal of Chemical Physics, 1999, 110, 11264-11276.	3.0	21
40	H2O–CO and D2O–CO complexes: Intra- and intermolecular rovibrational states from full-dimensional and fully coupled quantum calculations. Journal of Chemical Physics, 2020, 153, 074107.	3.0	21
41	Solvent configuration-interaction calculations of intermolecular states in molecule-(atom)N clusters: Application to Br2–HeN4. Journal of Chemical Physics, 2006, 125, 184313.	3.0	20
42	Effects of symmetry breaking on the translation–rotation eigenstates of H <sub>2</sub> , HF, and H <sub>2</sub> O inside the fullerene C <sub>60</sub> . Faraday Discussions, 2018, 212, 547-567.	3.2	20
43	The geometry of carbazole—(Ar)2 from rotational coherence spectroscopy. Chemical Physics Letters, 1992, 193, 335-341.	2.6	18
44	Study of the benzeneâ‹N2 intermolecular potential-energy surface. Journal of Chemical Physics, 2003, 118, 1230-1241.	3.0	16
45	Rotational coherence spectroscopy and structure of the perylene-benzene van der Waals complex. Chemical Physics Letters, 1991, 182, 385-392.	2.6	15
46	Translation-rotation states of H2 in C60: New insights from a perturbation-theory treatment. Journal of Chemical Physics, 2016, 145, 084310.	3.0	15
47	Fully quantal calculation of H2 translation-rotation states in (H2)4@51264 clathrate sII inclusion compounds. Journal of Chemical Physics, 2013, 138, 174306.	3.0	14
48	HDO–CO Complex: D-Bonded and H-Bonded Isomers and Intra- and Intermolecular Rovibrational States from Full-Dimensional and Fully Coupled Quantum Calculations. Journal of Physical Chemistry A, 2021, 125, 980-989.	2.5	14
49	The dependence of Fourier transform nonlinear Raman spectroscopies on the temporal characteristics of the excitation fields. Journal of Chemical Physics, 1989, 91, 1478-1497.	3.0	13
50	Benzene–H2O and benzene–HDO: Fully coupled nine-dimensional quantum calculations of flexible H2O/HDO intramolecular vibrational excitations and intermolecular states of the dimers, and their infrared and Raman spectra using compact bases. Journal of Chemical Physics, 2020, 152, 124103.	3.0	13
51	p-Difluorobenzeneâ^'Argon Ground State Intermolecular Potential Energy Surfaceâ€. Journal of Physical Chemistry A, 2005, 109, 11602-11608.	2.5	12
52	Structural Characterization of Aromaticâ^'Aromatic Complexes by Rotational Coherence Spectroscopy. Journal of Physical Chemistry A, 1998, 102, 4481-4494.	2.5	11
53	Fully quantal calculation of H2 translation-rotation states in the (p-H2)2@51264 clathrate hydrate inclusion compound. Journal of Chemical Physics, 2014, 141, 184305.	3.0	11
54	The Endofullerene HF@C60: Inelastic Neutron Scattering Spectra from Quantum Simulations and Experiment, Validity of the Selection Rule, and Symmetry Breaking. Journal of Physical Chemistry Letters, 2019, 10, 5365-5371.	4.6	11

#	Article	IF	CITATIONS
55	DCl–H <sub>2</sub> 0, HCl–D <sub>2</sub> 0, and DCl–D <sub>2</sub> 0 Dimers: Inter- and Intramolecular Vibrational States and Frequency Shifts from Fully Coupled Quantum Calculations on a Full-Dimensional Neural Network Potential Energy Surface. Journal of Physical Chemistry A, 2021, 125, 6437-6449.	2.5	11
56	Time-resolved ionization depletion. A new picosecond method for molecular beam studies. Chemical Physics Letters, 1993, 207, 563-568.	2.6	10
57	Efficient calculation of molecular constants and transition intensities in weakly bound species from J=0 eigenstates: Benzene-Ar as test case. Journal of Chemical Physics, 2001, 114, 1233-1241.	3.0	10
58	Calculation of rovibrational states of weakly bound complexes by transformation from an Eckart frame: Benzene-N2. Journal of Chemical Physics, 2001, 114, 7901-7910.	3.0	10
59	Accurate quantum calculations of translation-rotation eigenstates in electric-dipole-coupled H2O@C60 assemblies. Chemical Physics Letters, 2017, 683, 172-178.	2.6	10
60	Light molecules inside the nanocavities of fullerenes and clathrate hydrates: inelastic neutron scattering spectra and the unexpected selection rule from rigorous quantum simulations. International Reviews in Physical Chemistry, 2020, 39, 425-463.	2.3	10
61	Intermolecular Hamiltonian for solute–solventn clusters and application to the (1   1) isomer of anthracene–He2. Journal of Chemical Physics, 2003, 119, 5558-5569.	3.0	9
62	The Fluorobenzeneâ ``Argon S <sub>1</sub> Excited-State Intermolecular Potential Energy Surface. Journal of Physical Chemistry A, 2007, 111, 7876-7881.	2.5	9
63	Intra- and intermolecular rovibrational states of HCI-H2O and DCI-H2O dimers from full-dimensional and fully coupled quantum calculations. Chinese Journal of Chemical Physics, 0, , .	1.3	9
64	Structural study of the hydrogen-bonded 1-naphtholâ‹(NH3)2 cluster. Journal of Chemical Physics, 2003, 118, 9157-9166.	3.0	8
65	High resolution Fourier transform stimulated emission and molecular beam holeâ€burning spectroscopy with picosecond excitation sources: Theoretical and experimental results. Journal of Chemical Physics, 1992, 96, 179-197.	3.0	7
66	Semi-classical versus exact eigenvalues of He–benzene using cross-correlation filter-diagonalization. Chemical Physics Letters, 2000, 328, 516-521.	2.6	7
67	Rotational constants and structure of para-difluorobenzene determined by femtosecond Raman coherence spectroscopy: A new transient type. Journal of Chemical Physics, 2015, 143, 144306.	3.0	7
68	Rotational Coherence Spectroscopy and Excited-State Dynamics of Tolane and its Van Der Waals Complexes with Argon and Nitrogen. Laser Chemistry, 1994, 14, 45-59.	0.5	5
69	Intermolecular vibrations and asymmetric-top pendular states in 1-naphthol–H2O and –NH3. Journal of Chemical Physics, 2000, 112, 4527-4535.	3.0	5
70	Nuclear-orbital/configuration-interaction study of coupled translation-rotation states in (H2)2@C70. Journal of Chemical Physics, 2013, 138, 044309.	3.0	5
71	Intermolecular rovibrational states of the H2O–CO2 and D2O–CO2 van der Waals complexes. Journal of Chemical Physics, 2022, 156, 064301.	3.0	5
72	Vibrational Spectroscopy and Dynamics in the CH-Stretch Region of Fluorene by IVR-Assisted, Ionization-Gain Stimulated Raman Spectroscopy. Journal of Physical Chemistry A, 2007, 111, 12466-12470.	2.5	4

#	ARTICLE	IF	CITATIONS
73	Molecules in confinement in clusters, quantum solvents and matrices: general discussion. Faraday Discussions, 2018, 212, 569-601.	3.2	4
74	Sizeâ€selective Raman spectroscopy of carbazole–(Ar)nclusters at subâ€waveâ€number resolution. Journal of Chemical Physics, 1992, 96, 7855-7858.	3.0	3
75	H <sub>2</sub> 0 inside the fullerene C <sub>60</sub> : Inelastic neutron scattering spectrum from rigorous quantum calculations. Journal of Chemical Physics, 2022, 156, 124101.	3.0	3
76	He–, Ne–, and Ar–Phosgene Intermolecular Potential Energy Surfaces. Journal of Physical Chemistry A, 2013, 117, 3835-3843.	2.5	1
77	APPLICATIONS OF MASS-SELECTIVE IONIZATION-LOSS STIMULATED RAMAN SPECTROSCOPY IN STUDIES OF MOLECULAR COMPLEXES AND CLUSTERS. Advanced Series in Physical Chemistry, 1995, , 279-314.	1.5	0