

# Feng Hu

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

364  
citations

933447

10  
h-index

940533

16  
g-index

60  
all docs

60  
docs citations

60  
times ranked

184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical investigation of energy levels and transition rates in Mo XXIX. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 289, 108019.	2.3	1
2	Visualizing the effect of phenyl group on the intra-or intermolecular vibrational dynamics of nitromethane, nitrobenzene and their mixtures by coherent anti-Stokes Raman scattering. European Physical Journal D, 2022, 76, 1.	1.3	0
3	Accurate multiconfiguration calculations of energy levels, transition rates, and lifetimes for Kr XXIII. Radiation Physics and Chemistry, 2022, 195, 110093.	2.8	3
4	A theoretical calculation of atomic parameters for the transitions of Si II. Indian Journal of Physics, 2021, 95, 807-813.	1.8	1
5	Energy levels and radiative rates in P-like Krypton. Radiation Physics and Chemistry, 2021, 180, 109293.	2.8	4
6	The aging effect in evolving scientific citation networks. Scientometrics, 2021, 126, 4297-4309.	3.0	16
7	Energy Levels, Lifetimes, and Transition Probabilities for Rb(XXIII). Acta Physica Polonica A, 2021, 140, 50-57.	0.5	0
8	Accurate multiconfiguration calculations of energy levels, lifetimes, and transition rates for Ge XIX. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 273, 107842.	2.3	4
9	Energy levels and transition probabilities of $N^{+}$ , $Ar^{3+}$ , and $Ne^{4+}$ ions. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2021, 76, 1-12.	1.5	3
10	Transition rates, branching ratio, and lifetime of the $2p$ metastable state in O I. Physical Review A, 2020, 102, .	2.5	4
11	Energy Levels and Radiative Rates in Ge(XVIII). Acta Physica Polonica A, 2020, 137, 1141-1148.	0.5	3
12	Time Evolution of the Droplet Size Distribution in Dropwise Condensation. Journal of Heat Transfer, 2020, 142, .	2.1	4
13	Systematic calculations of energy levels and transitions rates in Mo XXVIII. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 739-747.	1.5	0
14	Flat-Type Gas Sensors Based on ZnO Nanorod Arrays. Journal of Nanoscience and Nanotechnology, 2020, 20, 7800-7807.	0.9	2
15	Study of energies and oscillator strengths of Fe XXI including plasma shielding effects. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 236, 106584.	2.3	16
16	Hypernetwork models based on random hypergraphs. International Journal of Modern Physics C, 2019, 30, 1950052.	1.7	3
17	Energy levels and transition probabilities of quartet Rydberg series in boron-like silicon. Journal of Electron Spectroscopy and Related Phenomena, 2019, 233, 83-89.	1.7	1
18	Hyperfine structure and 2s-2p transition in C-like Fe, Co and Ni. Journal of Electron Spectroscopy and Related Phenomena, 2019, 230, 26-32.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Energy Levels, Radiative Rates, and Lifetimes for Transitions in Fe XIV. Journal of Applied Spectroscopy, 2018, 85, 749-759.	0.7	3
20	Energy levels and transition probabilities from the Rayleigh-Ritz variation method: C I and O III. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 217, 388-395.	2.3	7
21	Preliminary study on a tetrahedral hohlraum with four half-cylindrical cavities for indirectly driven inertial confinement fusion. Nuclear Fusion, 2017, 57, 046020.	3.5	8
22	Wavelengths, transition probabilities, and oscillator strengths for M-shell transitions in tungsten ions with partially filled 3p subshell. Canadian Journal of Physics, 2017, 95, 283-290.	1.1	5
23	Multiconfiguration Dirac-Fock calculation of $K\alpha$ transition energies in beryllium like titanium. Indian Journal of Physics, 2017, 91, 1477-1485.	1.8	0
24	Transition properties of the Be-like $K\alpha$ X-ray from Mg IX. Pramana - Journal of Physics, 2017, 89, 1.	1.8	0
25	Fine-structure energy levels and radiative rates in Al-like molybdenum. Canadian Journal of Physics, 2017, 95, 59-64.	1.1	5
26	Rydberg series for quartet states of Li-like sulfur ion. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 30-37.	2.3	4
27	The realization of long focal depth with a linear varied-area zone plate. Journal of Modern Optics, 2017, 64, 244-250.	1.3	9
28	Multiconfiguration Dirac-Fock calculations of excitation energies and wavelengths in highly charged tungsten ions. Canadian Journal of Physics, 2016, 94, 563-568.	1.1	6
29	Energy levels and radiative transitions of the K-shell excited sextet states in boron-like sulfur ion. Canadian Journal of Physics, 2016, 94, 1054-1060.	1.1	1
30	Decay processes of the core-excited states $1s2p^3$ for Be-like systems with $Z=8-54$ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 179, 177-186.	2.3	9
31	Electron correlation effect on radiative decay processes of the core-excited states of Be-like ions. Journal of Electron Spectroscopy and Related Phenomena, 2016, 210, 49-53.	1.7	0
32	$6P_{e^{-}}$ $6P_{o^{-}}$ transitions in boron-like ions with $Z = 8-13$ . Canadian Journal of Physics, 2016, 94, 283-289.	1.1	1
33	Transition probabilities of the low-lying levels of Kr XXIV. Atomic Data and Nuclear Data Tables, 2016, 108, 15-56.	2.4	5
34	The spectral lines of highly charged gold ions. Radiation Effects and Defects in Solids, 2015, 170, 138-143.	1.2	0
35	Influence of electron correlation on transition energy of gold ions. Physica Scripta, 2015, 90, 015403.	2.5	5
36	Time-averaged droplet size distribution in steady-state dropwise condensation. International Journal of Heat and Mass Transfer, 2015, 88, 338-345.	4.8	25

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37	A K-shell model for laser-produced Al plasma. Radiation Effects and Defects in Solids, 2015, 170, 407-413.	1.2	3
38	Photon Statistical Properties of Single Terrylene Molecules in P-Terphenyl Crystals. Chinese Physics Letters, 2015, 32, 063303.	3.3	1
39	Energies, fine structures, and transitions of the core-excited sextet states $6Se_{o(n)}$ and $6Pe_{o(n)}$ ( $n=1\text{--}5$ ) of B-like ions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 167, 145-155.	2.3	7
40	Focusing single-order diffraction transmission grating with a focusing plane perpendicular to the grating surface. Optics Express, 2015, 23, 16281.	3.4	3
41	On the Maximum Estrada Index of 3-Uniform Linear Hypertrees. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	1
42	Electron impact excitation of Ni-like gold studied by Dirac R-matrix method. Chinese Physics B, 2014, 23, 113401.	1.4	1
43	Density functional theory calculations insight to the effect of anion on the nonlinear optical properties of $LiInX_2$ ( $X = S, Se$ ). Journal of Molecular Modeling, 2014, 20, 2528.	1.8	7
44	Photon counting statistics of a single molecule under pump-probe fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 025502.	1.5	1
45	Accurate multiconfiguration Dirac-Hartree-Fock calculations of transition probabilities for magnesium-like ions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 149, 158-167.	2.3	21
46	Electronic structures and magnetism of transition metal doped $BiAlO_3$ : An ab initio study. Physica B: Condensed Matter, 2014, 451, 76-79.	2.7	3
47	Correlation effects for $n\text{--}n\text{--}2\text{--}1$ transitions in nine isoelectronic sequences of silver ions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 133, 319-328.	2.3	5
48	Plasma effect on the $K\alpha$ group emission of He-like molybdenum. Radiation Effects and Defects in Solids, 2013, 168, 858-865.	1.2	3
49	On the Distributions of Subgraph Centralities in Complex Networks. Discrete Dynamics in Nature and Society, 2013, 2013, 1-8.	0.9	1
50	Intercombination transitions of the carbon-like isoelectronic sequence. Chinese Physics B, 2013, 22, 073202.	1.4	9
51	Multi-configuration Dirac-Fock calculations for multi-valence-electron systems: Benchmarks for Zn-like ions. Atomic Data and Nuclear Data Tables, 2012, 98, 301-312.	2.4	5
52	Multiconfiguration Dirac-Fock calculations on multi-valence-electron systems: Benchmarks on Ga-like ions. Physical Review A, 2011, 84, .	2.5	25
53	Multi-configuration Dirac-Hartree-Fock (MCDHF) calculations for Zn-like sequence from $Z=48$ to $54$ . Chinese Physics B, 2011, 20, 063103.	1.4	5
54	Wavelengths, oscillator strengths and radiative transition rates for $K\alpha$ lines in titanium x-ray spectra. Physica Scripta, 2011, T144, 014006.	2.5	1

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55	Multiconfiguration Dirac-Fock results for forbidden transitions in the 2p 4 configuration. Open Physics, 2011, 9, .	1.7	7
56	Effects of valence-valence, core-valence and core-core correlations on the fine-structure energy levels in Zn-like ions. European Physical Journal D, 2011, 61, 15-20.	1.3	18
57	Multiconfiguration Dirac-Fock calculations of transition probabilities of some tungsten ions. Physica Scripta, 2011, 84, 015302.	2.5	15
58	Relativistic configuration interaction calculations for the $K\hat{1}\pm$ and $K\hat{1}^2$ X-ray satellites of iron. Atomic Data and Nuclear Data Tables, 2009, 95, 125-140.	2.4	12
59	Relativistic multi-configuration calculations of $K\hat{1}\pm$ and $K\hat{1}^2$ X-ray transitions for highly ionized Mo ions. Atomic Data and Nuclear Data Tables, 2008, 94, 739-757.	2.4	23
60	Wavelengths, transition probabilities, line strengths and oscillator strengths for the $K\hat{1}\pm$ and $K\hat{1}^2$ X-ray transitions in NiXIX through NiXXVII. European Physical Journal D, 2008, 49, 293-296.	1.3	24