

Wolfram W Rudolph

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5410995/publications.pdf>

Version: 2024-02-01

72
papers

2,503
citations

172457

29
h-index

206112

48
g-index

74
all docs

74
docs citations

74
times ranked

2533
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydration and Ion-Pair Formation of $\text{NaNO}_3(\text{aq})$: A Vibrational Spectroscopic and Density Functional Theory Study. <i>Applied Spectroscopy</i> , 2021, 75, 395-411.	2.2	9
2	On the Hydration of the Rare Earth Ions in Aqueous Solution. <i>Journal of Solution Chemistry</i> , 2020, 49, 316-331.	1.2	25
3	On the Hydration of Heavy Rare Earth Ions: Ho^{3+} , Er^{3+} , Tm^{3+} , Yb^{3+} and Lu^{3+} —A Raman Study. <i>Molecules</i> , 2019, 24, 1953.	3.8	12
4	Comparison of VITEK 2, MALDI-TOF MS, 16S rRNA gene sequencing, and whole-genome sequencing for identification of <i>Roseomonas mucosa</i> . <i>Microbial Pathogenesis</i> , 2019, 134, 103576.	2.9	9
5	Detection of <i>Robinsoniella peoriensis</i> in multiple bone samples of a trauma patient. <i>Anaerobe</i> , 2019, 59, 14-18.	2.1	6
6	Hydration and Ion Pair Formation in Aqueous Lu^{3+} Solution. <i>Molecules</i> , 2018, 23, 3237.	3.8	10
7	Modeling Hemolytic-Uremic Syndrome: In-Depth Characterization of Distinct Murine Models Reflecting Different Features of Human Disease. <i>Frontiers in Immunology</i> , 2018, 9, 1459.	4.8	22
8	Whole-genome sequencing of a large collection of <i>Myroides odoratimimus</i> and <i>Myroides odoratus</i> isolates and antimicrobial susceptibility studies. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-8.	6.5	21
9	Raman spectroscopic characterization of light rare earth ions: La^{3+} , Ce^{3+} , Pr^{3+} , Nd^{3+} and Sm^{3+} —hydration and ion pair formation. <i>Dalton Transactions</i> , 2017, 46, 4235-4244.	3.3	29
10	First report on sepsis caused by <i>Porphyromonas pogoanae</i> . <i>Anaerobe</i> , 2017, 44, 96-98.	2.1	4
11	A Raman Spectroscopic Study of Aqueous $\text{La}(\text{CH}_3\text{CO}_2)_3$ Solutions and $\text{La}(\text{CH}_3\text{CO}_2)_3 \cdot 1.5 \text{H}_2\text{O}(\text{cr})$. <i>Journal of Solution Chemistry</i> , 2017, 46, 190-214.	1.2	2
12	Design of a covalently linked human interleukin-10 fusion protein and its secretory expression in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 10479-10493.	3.6	5
13	Identification of Rare Bacterial Pathogens by 16S rRNA Gene Sequencing and MALDI-TOF MS. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	19
14	Hydration and ion pair formation in common aqueous La^{3+} salt solutions— a Raman scattering and DFT study. <i>Dalton Transactions</i> , 2015, 44, 295-305.	3.3	43
15	Raman spectroscopic studies and DFT calculations on NaCH_3CO_2 and NaCD_3CO_2 solutions in water and heavy water. <i>RSC Advances</i> , 2015, 5, 21897-21908.	3.6	20
16	A Raman spectroscopic investigation of speciation in $\text{La}_2(\text{SO}_4)_3(\text{aq})$. <i>RSC Advances</i> , 2015, 5, 84999-85008.	3.6	8
17	Hydration and ion pair formation in aqueous Y^{3+} —salt solutions. <i>Dalton Transactions</i> , 2015, 44, 18492-18505.	3.3	27
18	First report on the isolation of <i>Aureimonas altamirensis</i> from a patient with peritonitis. <i>International Journal of Infectious Diseases</i> , 2014, 29, 71-73.	3.3	16

#	ARTICLE	IF	CITATIONS
19	Raman Spectroscopic Investigation of Speciation in MnSO ₄ (aq). Journal of Solution Chemistry, 2014, 43, 465-485.	1.2	7
20	Vibrational spectroscopic studies and DFT calculations on NaCH ₃ CO ₂ (aq) and CH ₃ COOH(aq). Dalton Transactions, 2014, 43, 3174-3185.	3.3	27
21	Comparison of VITEK2, MALDI-TOF MS, and 16S rDNA sequencing for identification of Myroides odoratus and Myroides odoratimimus. Diagnostic Microbiology and Infectious Disease, 2014, 79, 155-159.	1.8	42
22	Hydration and speciation studies of Mn ²⁺ in aqueous solution with simple monovalent anions (ClO ₄ ⁻ , Tj ETQq0 0 0 rgBT /Overlock 10	3.3	31
23	Hydration of the calcium(ii) ion in an aqueous solution of common anions (ClO ₄ ⁻ , Cl ⁻ , Br ⁻ , and) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	60
24	Actinobacillus equuli ssp. haemolyticus in a semi-occlusively treated horse bite wound in a 2-year-old girl. GMS German Medical Science, 2013, 11, Doc14.	2.7	5
25	Raman-Spectroscopic Measurements of the First Dissociation Constant of Aqueous Phosphoric Acid Solution from 5 to 301 Å°C. Journal of Solution Chemistry, 2012, 41, 630-645.	1.2	36
26	Raman spectroscopic studies and DFT calculations on tribromoacetic acid and tribromoacetic acid-d. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 90, 165-172.	3.9	3
27	An Ab Initio Investigation of Zinc Bromo Complexes. Journal of Solution Chemistry, 2011, 40, 1932-1954.	1.2	6
28	Studies on synthetic galloalunites AGa ₃ (SO ₄) ₂ (OH) ₆ : Synthesis, thermal analysis, and X-ray characterization. Thermochemica Acta, 2011, 521, 112-120.	2.7	4
29	Vibrational spectroscopic studies and DFT calculations on tribromoacetate and tribromoacetic acid in aqueous solution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 1483-1492.	3.9	8
30	Raman and Infrared Spectroscopic Investigation of Speciation in BeSO ₄ (aq). Journal of Solution Chemistry, 2010, 39, 1039-1059.	1.2	12
31	Raman- and infrared-spectroscopic investigations of dilute aqueous phosphoric acid solutions. Dalton Transactions, 2010, 39, 9642.	3.3	94
32	Characterisation of Australian MRSA Strains ST75- and ST883-MRSA-IV and Analysis of Their Accessory Gene Regulator Locus. PLoS ONE, 2010, 5, e14025.	2.5	20
33	Hydration of beryllium(ii) in aqueous solutions of common inorganic salts. A combined vibrational spectroscopic and ab initio molecular orbital study. Dalton Transactions, 2009, , 6513.	3.3	43
34	AZT-resistant foamy virus. Virology, 2008, 370, 151-157.	2.4	12
35	Speciation studies in aqueous HCO ₃ ⁻ CO ₃ ²⁻ solutions. A combined Raman spectroscopic and thermodynamic study. Dalton Transactions, 2008, , 900-908.	3.3	103
36	Differential cleavage of the norovirus polyprotein precursor by two active forms of the viral protease. Journal of General Virology, 2007, 88, 2013-2018.	2.9	19

#	ARTICLE	IF	CITATIONS
37	Raman and Infrared Spectroscopic Investigations on Aqueous Alkali Metal Phosphate Solutions and Density Functional Theory Calculations of Phosphate ³⁻ Water Clusters. <i>Applied Spectroscopy</i> , 2007, 61, 1312-1327.	2.2	93
38	Ion association and hydration in 3:2 electrolyte solutions by dielectric spectroscopy: Aluminum sulfate. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5287-5300.	3.9	32
39	An ab initio investigation of bismuth hydration. <i>Canadian Journal of Chemistry</i> , 2007, 85, 945-950.	1.1	19
40	An ab initio investigation of zinc chloro complexes. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 5428.	2.8	29
41	Vibrational Spectroscopic Studies and Density Functional Theory Calculations of Speciation in the CO ₂ ²⁻ Water System. <i>Applied Spectroscopy</i> , 2006, 60, 130-144.	2.2	111
42	Characterization of norovirus 3Dpol RNA-dependent RNA polymerase activity and initiation of RNA synthesis. <i>Journal of General Virology</i> , 2006, 87, 2621-2630.	2.9	39
43	Protein-Primed and De Novo Initiation of RNA Synthesis by Norovirus 3D pol. <i>Journal of Virology</i> , 2006, 80, 7060-7069.	3.4	81
44	Indium(III) Hydration in Aqueous Solutions of Perchlorate, Nitrate and Sulfate. Raman and Infrared Spectroscopic Studies and ab-initio Molecular Orbital Calculations of Indium(III) ⁺ Water Clusters.. <i>ChemInform</i> , 2005, 36, no.	0.0	1
45	N-Terminal Gag Domain Required for Foamy Virus Particle Assembly and Export. <i>Journal of Virology</i> , 2005, 79, 12464-12476.	3.4	23
46	Determination of the relative amounts of Gag and Pol proteins in foamy virus particles. <i>Retrovirology</i> , 2005, 2, 44.	2.0	16
47	An ab initio, Infrared, and Raman Investigation of Phosphate Ion Hydration.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
48	Indium(iii) hydration in aqueous solutions of perchlorate, nitrate and sulfate. Raman and infrared spectroscopic studies and ab-initio molecular orbital calculations of indium(iii) ⁺ water clusters. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 5145-5155.	2.8	56
49	Synthetic alunites of the potassium-oxonium solid solution series and some other members of the group: synthesis, thermal and X-ray characterization. <i>European Journal of Mineralogy</i> , 2003, 15, 913-924.	1.3	25
50	An ab Initio, Infrared, and Raman Investigation of Phosphate Ion Hydration. <i>Journal of Physical Chemistry A</i> , 2003, 107, 8746-8755.	2.5	57
51	Replication-Competent Hybrids between Murine Leukemia Virus and Foamy Virus. <i>Journal of Virology</i> , 2003, 77, 7677-7681.	3.4	6
52	Feline Foamy Virus Genome and Replication Strategy. <i>Journal of Virology</i> , 2003, 77, 11324-11331.	3.4	48
53	Gallium(iii) hydration in aqueous solution of perchlorate, nitrate and sulfate. Raman and 71-Ga NMR spectroscopic studies and ab initio molecular orbital calculations of gallium(iii) water clusters. Electronic supplementary information (ESI) available: Unscaled HF/6-31+G* frequencies, intensities and force constants of the hexaaqua-Ga(iii) ion, octadeca-aqua gallium(iii) and octadeca-aqua gallium(iii) cluster. See http://www.rsc.org/suppdata/cp/b2/b202567c/ . <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4319-4327.	2.8	33
54	Study of gallium(III) nitrate hydrate and aqueous solutions: Raman spectroscopy and ab initio molecular orbital calculations of gallium(III) water clusters. <i>Journal of Raman Spectroscopy</i> , 2002, 33, 177-190.	2.5	29

#	ARTICLE	IF	CITATIONS
55	An ab Initio and Raman Investigation of Sulfate Ion Hydration. Journal of Physical Chemistry A, 2001, 105, 905-912.	2.5	81
56	Title is missing!. Journal of Solution Chemistry, 2001, 30, 527-548.	1.2	39
57	Title is missing!. Journal of Solution Chemistry, 2000, 29, 955-986.	1.2	18
58	Aluminium(III) hydration in aqueous solution. A Raman spectroscopic investigation and an ab initio molecular orbital study of aluminium(III) water clusters. Physical Chemistry Chemical Physics, 2000, 2, 5030-5040.	2.8	116
59	Raman Spectroscopic Measurements of Scandium(III) Hydration in Aqueous Perchlorate Solution and ab Initio Molecular Orbital Studies of Scandium(III) Water Clusters: Does Sc(III) Occur as a Hexaaqua Complex?. Journal of Physical Chemistry A, 2000, 104, 1627-1639.	2.5	54
60	Title is missing!. Journal of Solution Chemistry, 1999, 28, 1045-1070.	1.2	28
61	Title is missing!. Journal of Solution Chemistry, 1999, 28, 621-630.	1.2	73
62	Zinc(II) hydration in aqueous solution. A Raman spectroscopic investigation and an ab-initio molecular orbital study. Physical Chemistry Chemical Physics, 1999, 1, 4583-4593.	2.8	95
63	Raman- and Infrared Spectroscopic Investigation of Aqueous ZnSO ₄ Solutions from 8°C to 165°C: Inner- and Outer-Sphere Complexes. Zeitschrift Fur Physikalische Chemie, 1999, 209, 181-207.	2.8	50
64	Hydration of Cadmium(II) in Aqueous Perchlorate Solution: A Raman and ab-initio Approach. Zeitschrift Fur Physikalische Chemie, 1999, 209, 243-258.	2.8	5
65	A Raman spectroscopic study of hydration and water-ligand replacement reaction in aqueous cadmium(II)-sulfate solution: Inner-sphere and outer-sphere complexes. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1998, 102, 183-196.	0.9	11
66	Hydration and water-ligand replacement in aqueous cadmium(II) sulfate solution A Raman and infrared study. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 489-499.	1.7	23
67	Raman Spectroscopic Measurements and ab Initio Molecular Orbital Studies of Cadmium(II) Hydration in Aqueous Solution. Journal of Physical Chemistry B, 1998, 102, 3564-3573.	2.6	42
68	An ab Initio and Raman Investigation of Magnesium(II) Hydration. Journal of Physical Chemistry A, 1998, 102, 9933-9943.	2.5	147
69	An ab Initio Investigation of Lithium Ion Hydration. The Journal of Physical Chemistry, 1996, 100, 601-605.	2.9	58
70	Hydration of Lithium Ion in Aqueous Solutions. The Journal of Physical Chemistry, 1995, 99, 3793-3797.	2.9	141
71	Zum Schwingungsspektrum der Phosphorsäure VI. Zeitschrift Fur Physikalische Chemie, 1992, 176, 185-198.	2.8	4
72	Raman Spectroscopic Studies on Aqueous Sodium Formate Solutions and DFT Calculations. Journal of Solution Chemistry, 0, , .	1.2	1