D J J Farnell

List of Publications by Year
in descending order

123 papers	2,786 citations	159585 30 h-index	206112 48 g-index
140 all docs	140 docs citations	140 times ranked	1974 citing authors

#	ARTICLE	IF	CITATIONS
1	25â€¦â€˜There is nowhere to place the angerâ€™: accounts of bereavement experiences during the COVID-19 pandemic. , 2022, , .		0
2	15â€¦Parentsâ€™ accounts of the grief experiences and support needs of children and young people bereaved during the COVID-19 pandemic: results from a UK-wide online survey. , 2022, , .		0
3	Risk factors associated with poorer experiences of end-of-life care and challenges in early bereavement: Results of a national online survey of people bereaved during the COVID-19 pandemic. Palliative Medicine, 2022, 36, 717-729.	3.1	33
4	An Exploration of Pathologies of Multilevel Principal Components Analysis in Statistical Models of Shape. Journal of Imaging, 2022, 8, 63.	3.0	1
5	Malignant Transformation Rate of Oral Submucous Fibrosis: A Systematic Review and Meta-Analysis. Journal of Clinical Medicine, 2022, 11, 1793.	2.4	17
6	â€˜It was brutal. It still isâ€™: a qualitative analysis of the challenges of bereavement during the COVID-19 pandemic reported in two national surveys. Palliative Care and Social Practice, 2022, 16, 263235242210924.	1.1	19
7	Professional consensus on orthodontic risks: What orthodontists should tell their patients. American Journal of Orthodontics and Dentofacial Orthopedics, 2021, 159, 41-52.	1.7	13
8	The effects of age and sex on mandibular bone graft donor sites. Oral Surgery, 2021, 14, 52-58.	0.2	1
9	The use of nonâ€‘surgical interventions in patients with periâ€‘implantitis; a systematic review and metaâ€‘analysis. Oral Surgery, 2021, 14, 178-190.	0.2	2
10	Factors associated with dental fluorosis among Malaysian children exposed to different fluoride concentrations in the public water supply. Journal of Public Health Dentistry, 2021, 81, 270-279.	1.2	9
11	An exploration of adolescent facial shape changes with age via multilevel partial least squares regression. Computer Methods and Programs in Biomedicine, 2021, 200, 105935.	4.7	6
12	Higher Number of EBI3 Cells in Mucosal Chronic Hyperplastic Candidiasis May Serve to Regulate IL-17-Producing Cells. Journal of Fungi (Basel, Switzerland), 2021, 7, 533.	3.5	1
13	Influence of remaining axial walls on of root filled teeth restored with a single crown and adhesively bonded fibre post: A systematic review and meta-analysis. Journal of Dentistry, 2021, 114, 103813.	4.1	4
14	Support needs and barriers to accessing support: Baseline results of a mixed-methods national survey of people bereaved during the COVID-19 pandemic. Palliative Medicine, 2021, 35, 1985-1997.	3.1	26
15	Effect of magnesium sulphate added to lidocaine on inferior alveolar nerve block success in patients with symptoms of irreversible pulpitis: a prospective, randomized clinical trial. International Endodontic Journal, 2020, 53, 145-153.	5.0	5
16	Multilevel principal components analysis of three-dimensional facial growth in adolescents. Computer Methods and Programs in Biomedicine, 2020, 188, 105272.	4.7	6
17	Personal protective equipment during the COVID-19 crisis: a snapshot and recommendations from the frontline of a university teaching hospital. Bone & Joint Open, 2020, 1, 131-136.	2.6	17
18	Personal protective equipment during the COVID-19 crisis: a snapshot and recommendations from the frontline of a university teaching hospital. Bone & Joint Open, 2020, 1, 131-136.	2.6	2

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19	Initial Investigations of the Cranial Size and Shape of Adult Eurasian Otters (Lutra lutra) in Great Britain. Journal of Imaging, 2020, 6, 106.	3.0	2
20	Multilevel Analysis of the Influence of Maternal Smoking and Alcohol Consumption on the Facial Shape of English Adolescents. Journal of Imaging, 2020, 6, 34.	3.0	4
21	The influence of irrigant activation, concentration and contact time on sodium hypochlorite penetration into root dentine: an <i>ex vivo</i> experiment. International Endodontic Journal, 2020, 53, 986-997.	5.0	21
22	The ALERT-B questionnaire: A screening tool for the detection of gastroenterological late effects after radiotherapy for prostate cancer. Clinical and Translational Radiation Oncology, 2020, 21, 98-103.	1.7	4
23	Dental and maxillofacial radiology: confidence, knowledge and skills in the newly graduated dentist. British Dental Journal, 2020, 228, 546-550.	0.6	6
24	Multilevel Models of Age-Related Changes in Facial Shape in Adolescents. Communications in Computer and Information Science, 2020, , 101-113.	0.5	1
25	The impact of stopping or reducing the level of fluoride in public water supplies on dental fluorosis: a systematic review. Reviews on Environmental Health, 2020, 35, 419-426.	2.4	3
26	Whatâ€™s in a Smile? Initial Analyses of Dynamic Changes in Facial Shape and Appearance. Journal of Imaging, 2019, 5, 2.	3.0	8
27	Non-coplanar Model States in Quantum Magnetism Applications of the High-Order Coupled Cluster Method. Journal of Statistical Physics, 2019, 176, 180-213.	1.2	5
28	Emergence of magnetic order in kagomÃ© antiferromagnets. Frontiers of Physics, 2019, 14, 1.	5.0	1
29	Response to â€˜Stratification as a solutionâ€™. International Endodontic Journal, 2019, 52, 554-554.	5.0	0
30	Immunohistochemical Expression Patterns of Inflammatory Cells Involved in Chronic Hyperplastic Candidosis. Pathogens, 2019, 8, 232.	2.8	9
31	Surgical therapy for periâ€implantitis management: a systematic review and metaâ€analysis. Oral Surgery, 2018, 11, 200-212.	0.2	5
32	Antibiotic prescribing for endodontic therapies: a comparative survey between general dental practitioners and final year Bachelor of Dental Surgery students in Cardiff, <scp>UK</scp>. International Endodontic Journal, 2018, 51, 717-728.	5.0	13
33	Efficacy of irrigant activation techniques in removing intracanal smear layer and debris from mature permanent teeth: a systematic review and metaâ€analysis. International Endodontic Journal, 2018, 51, 605-621.	5.0	81
34	A radiographic analysis of anatomical variation at the mandibular sites of intraoral bone harvesting. Oral Surgery, 2018, 11, 105-111.	0.2	1
35	Interplay between lattice topology, frustration, and spin quantum number in quantum antiferromagnets on Archimedean lattices. Physical Review B, 2018, 98, .	3.2	19
36	No more amalgams: Use of amalgam and amalgam alternative materials in primary dental care. British Dental Journal, 2018, 225, 171-176.	0.6	18

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37	The impact of a reduction in fluoride concentration in the Malaysian water supply on the prevalence of fluorosis and dental caries. Community Dentistry and Oral Epidemiology, 2018, 46, 492-499.	1.9	16
38	Ultrasound-guided fine-needle aspiration cytology of lesions in the head and neck performed without local anaesthesia â€" An analysis of pain perception. Ultrasound, 2018, 26, 222-228.	0.7	2
39	Whatâ€™s in a Smile? Initial Results of Multilevel Principal Components Analysis of Facial Shape and Image Texture. Communications in Computer and Information Science, 2018, , 177-188.	0.5	1
40	The spin-half XXZ antiferromagnet on the square lattice revisited: A high-order coupled cluster treatment. Journal of Magnetism and Magnetic Materials, 2017, 428, 178-188.	2.3	8
41	A Comparative Study of ProTaper Universal and ProTaper Next Used by Undergraduate Students to Prepare Root Canals. Journal of Endodontics, 2017, 43, 1364-1369.	3.1	5
42	An investigation in to the impact of acquisition location on error type and rate when undertaking panoramic radiography. Radiography, 2017, 23, 305-309.	2.1	8
43	A Systematic Review of Information Literacy Programs in Higher Education: Effects of Face-to-Face, Online, and Blended Formats on Student Skills and Views. Evidence Based Library and Information Practice, 2017, 12, 20-55.	0.2	29
44	Initial Results of Multilevel Principal Components Analysis of Facial Shape. Communications in Computer and Information Science, 2017, , 674-685.	0.5	4
45	Management of orthodontic emergencies in primary care â€" self-reported confidence of general dental practitioners. British Dental Journal, 2016, 221, 21-24.	0.6	15
46	Improving the well-being of men by Evaluating and Addressing the Gastrointestinal Late Effects (EAGLE) of radical treatment for prostate cancer: study protocol for a mixed-method implementation project. BMJ Open, 2016, 6, e011773.	1.9	8
47	The Three-item ALERT-B Questionnaire Provides a Validated Screening Tool to Detect Chronic Gastrointestinal Symptoms after Pelvic Radiotherapy in Cancer Survivors. Clinical Oncology, 2016, 28, e139-e147.	1.4	16
48	Ground-state ordering of the J_1–J_2 model on the simple cubic and body-centered cubic lattices. Physical Review B, 2016, 93, .	3.2	27
49	Multilevel principal component analysis (mPCA) in shape analysis: A feasibility study in medical and dental imaging. Computer Methods and Programs in Biomedicine, 2016, 129, 149-159.	4.7	15
50	Ground-state properties of the triangular-lattice Heisenberg antiferromagnet with arbitrary spin quantum number s. Journal of Magnetism and Magnetic Materials, 2016, 397, 333-341.	2.3	24
51	Effectiveness of an audience response system on orthodontic knowledge retention of undergraduate dental students â€" a randomised control trial. Journal of Orthodontics, 2015, 42, 307-314.	1.0	15
52	The spin-1/2 square-lattice J1-J2 model: the spin-gap issue. European Physical Journal B, 2015, 88, 1.	1.5	47
53	Quantum $s=\frac{1}{2}$ on Archimedean lattices: The route from semiclassical magnetic order to nonmagnetic quantum states. Physical Review B, 2014, 89, .	3.2	49
54	The Magnetization Process of the Spin-One Triangular-Lattice Heisenberg Antiferromagnet. Journal of the Physical Society of Japan, 2013, 82, 015002.	1.6	9

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55	The frustrated Heisenberg antiferromagnet on the honeycomb lattice:<i>J</i>₁â€“<i>J</i>₂model. Journal of Physics Condensed Matter, 2012, 24, 236002.	1.8	47
56	Ground-state phases of the frustrated spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>J</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:math>â€“<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">	3.2	27
57	Spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:math>Heisenberg	3.2	26
58	Phase diagram of a frustrated Heisenberg antiferromagnet on the honeycomb lattice: The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>J</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>J</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>J</mml:mi><	3.2	81
59	Prospective analysis of patient-reported late toxicity following pelvic radiotherapy for gynaecological cancer. Radiotherapy and Oncology, 2012, 103, 327-332.	0.6	39
60	Frustrated Heisenberg antiferromagnet on the checkerboard lattice:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>J</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>J</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>model. Physical Review B, 2012, 85, .	3.2	35
61	Measurement error in statistical models of shape. Computer Methods and Programs in Biomedicine, 2011, 104, e29-e44.	4.7	1
62	Spin-half Heisenberg antiferromagnet on two archimedian lattices: From the bounce lattice to the maple-leaf lattice and beyond. Physical Review B, 2011, 84, .	3.2	26
63	Heisenberg antiferromagnet on the kagome lattice with arbitrary spin: A higher-order coupled cluster treatment. Physical Review B, 2011, 84, .	3.2	86
64	Frustrated Heisenberg antiferromagnet on the honeycomb lattice: A candidate for deconfined quantum criticality. Physical Review B, 2011, 84, .	3.2	59
65	MAGNETIC ORDERING OF ANTIFERROMAGNETS ON A SPATIALLY ANISOTROPIC TRIANGULAR LATTICE. , 2011, , .		0
66	Spin Models. Lecture Notes in Physics, 2010, , 7-19.	0.7	1
67	Perception of tilt following counterâ€‘rotation surgery. Clinical and Experimental Ophthalmology, 2010, 38, 284-291.	2.6	0
68	Magnetic order on a frustrated spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mstyle scriptlevel="1"><mml:mfrac bevelled="false"><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:mstyle></mml:mrow></mml:math>Heisenberg antiferromagnet on the Union Jack lattice. Physical Review B, 2010, 82, .	3.2	29
69	Magnetic order in a spin-12interpolating kagome/square Heisenberg antiferromagnet. Physical Review B, 2010, 82, .	3.2	19
70	MAGNETIC ORDERING OF ANTIFERROMAGNETS ON A SPATIALLY ANISOTROPIC TRIANGULAR LATTICE. International Journal of Modern Physics B, 2010, 24, 5011-5026.	2.0	3
71	Efficacy of data capture for patient-reported toxicity following radiotherapy for prostate or cervical cancer. European Journal of Cancer, 2010, 46, 534-540.	2.8	13
72	Frustrated spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mstyle scriptlevel="1"><mml:mfrac bevelled="false"><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:mstyle></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>J</mml:mi><mml:mn>1</mml:mn></mml:msub><mml:mtext>â’</mml:mtext><mml:ferromagnet on the. Physical Review B, 2010, 81, .	3.2	65

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73	Development of a patient-reported questionnaire for collecting toxicity data following prostate brachytherapy. Radiotherapy and Oncology, 2010, 97, 136-142.	0.6	26
74	Quantum Magnetism. Lecture Notes in Physics, 2010, , 135-152.	0.7	2
75	Numerical Finite-Size Calculations. Lecture Notes in Physics, 2010, , 89-97.	0.7	0
76	The Coupled Cluster Method. Lecture Notes in Physics, 2010, , 109-134.	0.7	0
77	The Antiferromagnetic Ground State. Lecture Notes in Physics, 2010, , 39-47.	0.7	0
78	Magnetic order in a spin-$\frac{1}{2}$ interpolating square-triangle Heisenberg antiferromagnet. Physical Review B, 2009, 79, .	3.2	69
79	High-order coupled cluster method study of frustrated and unfrustrated quantum magnets in external magnetic fields. Journal of Physics Condensed Matter, 2009, 21, 406002.	1.8	65
80	High-Order Coupled Cluster Method (CCM) Calculations for Quantum Magnets with Valence-Bond Ground States. Journal of Statistical Physics, 2009, 135, 175-198.	1.2	24
81	The impact of radiotherapy late effects on quality of life in gynaecological cancer patients. British Journal of Cancer, 2009, 100, 1558-1565.	6.4	64
82	Developing a CTCAEs patient questionnaire for late toxicity after head and neck radiotherapy. European Journal of Cancer, 2009, 45, 1992-1998.	2.8	25
83	Macular translocation surgery: computer simulation of visual perception. Graefe's Archive for Clinical and Experimental Ophthalmology, 2008, 246, 831-836.	1.9	3
84	Enhancement of blood vessels in digital fundus photographs via the application of multiscale line operators. Journal of the Franklin Institute, 2008, 345, 748-765.	3.4	85
85	ODD AND EVEN BEHAVIOR WITH LSUBm APPROXIMATION LEVEL IN HIGH-ORDER COUPLED CLUSTER METHOD (CCM) CALCULATIONS. International Journal of Modern Physics B, 2008, 22, 3369-3379.	2.0	15
86	DETECTING OSTEOPOROSIS FROM DENTAL RADIOGRAPHS USING ACTIVE SHAPE MODELS. , 2007, , .		2
87	Monte Carlo simulation of latanoprost induced iris darkening. Computer Methods and Programs in Biomedicine, 2007, 87, 93-103.	4.7	8
88	Detecting Reduced Bone Mineral Density From Dental Radiographs Using Statistical Shape Models. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 601-610.	3.2	43
89	Direct calculation of the spin stiffness of the spin-12Heisenberg antiferromagnet on square, triangular, and cubic lattices using the coupled-cluster method. Physical Review B, 2006, 73, .	3.2	33
90	Influence of the spin quantum number s on the zero-temperature phase transition in the square-lattice Jâ€" model. Journal of Physics Condensed Matter, 2005, 17, 341-350.	1.8	9

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91	High-order coupled cluster calculations via parallel processing: An illustration forCaV4O9. Physical Review B, 2005, 72, .	3.2	21
92	Coupled cluster treatment of the Shastry-Sutherland antiferromagnet. Physical Review B, 2005, 72, .	3.2	76
93	The effect of ovariectomy on mandibular cortical thickness in the rat. Journal of Dentistry, 2005, 33, 123-129.	4.1	32
94	Numerical model of self-propulsion in a fluid. Journal of the Royal Society Interface, 2005, 2, 79-88.	3.4	7
95	Coupled states of flapping flags. Journal of Fluids and Structures, 2004, 19, 29-36.	3.4	57
96	Numerical simulations of a filament in a flowing soap film. International Journal for Numerical Methods in Fluids, 2004, 44, 313-330.	1.6	32
97	The coupled cluster method applied to quantum magnetism. Lecture Notes in Physics, 2004, , 307-348.	0.7	38
98	Density matrix renormalization group calculations for two-dimensional lattices: Application to the spin-half and spin-one square-lattice Heisenberg models. Physical Review B, 2003, 68, .	3.2	12
99	COUPLED CLUSTER TREATMENTS OF QUANTUM MAGNETS: TWO EXAMPLES. International Journal of Modern Physics B, 2003, 17, 5347-5365.	2.0	3
100	Magnetic phases of the mixed-spin$J1\hat{}J2$Heisenberg model on a square lattice. Physical Review B, 2002, 66, .	3.2	31
101	Coupled Cluster Method Calculations of Quantum Magnets with Spins of General Spin Quantum Number. Journal of Statistical Physics, 2002, 108, 401-428.	1.2	39
102	COUPLED CLUSTER TREATMENTS OF QUANTUM MAGNETS: TWO EXAMPLES. , 2002, , .		1
103	MARSHALL-PEIERLS SIGN RULES, THE QUANTUM MONTE CARLO METHOD, AND FRUSTRATION. International Journal of Modern Physics B, 2001, 15, 1736-1739.	2.0	1
104	Coupled cluster treatment of an interpolating triangle-kagomé antiferromagnet. Physical Review B, 2001, 63, .	3.2	48
105	QUANTUM PHASE TRANSITIONS IN SPIN SYSTEMS. , 2001, , .		3
106	HIGH-ORDER COUPLED CLUSTER RESULTS FOR QUANTUM ANTIFERROMAGNETS AND THEIR PHASE TRANSITIONS. International Journal of Modern Physics B, 2001, 15, 1385-1388.	2.0	0
107	High-order coupled-cluster method for general spin-lattice problems: An illustration via the anisotropic Heisenberg model. Physical Review B, 2001, 64, .	3.2	28
108	AB INITIO CALCULATIONS OF THE SPIN-HALF XY MODEL. , 2001, , .		1

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109	AB INITIO TREATMENTS OF THE ISING MODEL IN A TRANSVERSE FIELD. International Journal of Modern Physics B, 2000, 14, 1517-1536.	2.0	3
110	Quantum phase transitions of a square-lattice Heisenberg antiferromagnet with two kinds of nearest-neighbor bonds: A high-order coupled-cluster treatment. Physical Review B, 2000, 61, 14607-14615.	3.2	79
111	Sign rules for anisotropic quantum spin systems. Physical Review B, 2000, 61, 6775-6779.	3.2	7
112	High-order coupled cluster method calculations for the ground- and excited-state properties of the spin-half XXZ model. Journal of Physics Condensed Matter, 2000, 12, 6887-6902.	1.8	62
113	HIGH-ORDER COUPLED CLUSTER RESULTS FOR QUANTUM ANTIFERROMAGNETS AND THEIR PHASE TRANSITIONS. , 2000, , .		0
114	MARSHALL-PEIERLS SIGN RULES, THE QUANTUM MONTE CARLO METHOD, AND FRUSTRATION. , 2000, , .		1
115	Ab initio simulation of the nodal surfaces of Heisenberg antiferromagnets. Physical Review B, 1999, 59, 1000-1007.	3.2	14
116	AB INITIO CALCULATIONS FOR THE SQUARE-LATTICE ANISOTROPIC HEISENBERG MODEL. International Journal of Modern Physics B, 1999, 13, 709-719.	2.0	1
117	An Efficient Implementation of High-Order Coupled-Cluster Techniques Applied to Quantum Magnets. Journal of Statistical Physics, 1998, 90, 327-361.	1.2	114
118	Phase transitions in the spin-half $J_1 - J_2$ model. Physical Review B, 1998, 58, 6394-6402.	3.2	81
119	An ab initio coupled cluster theory of quantum spin lattices and their quantum critical behaviour. Molecular Physics, 1998, 94, 73-85.	1.7	1
120	Coupled-cluster treatment of the XY-model. Journal of Physics Condensed Matter, 1997, 9, 7601-7608.	1.8	14
121	The coupled-cluster method applied to the XXZ model using a planar model state. Journal of Physics Condensed Matter, 1996, 8, 11153-11165.	1.8	10
122	Numerical and approximate analytical results for the frustrated spin- 1/2 quantum spin chain. Journal of Physics Condensed Matter, 1995, 7, 8605-8618.	1.8	164
123	A coupled-cluster treatment of spin- 1/2 systems with nearest- and next-nearest-neighbour interactions. Journal of Physics Condensed Matter, 1994, 6, 5521-5532.	1.8	24