Robert J Newport

List of Publications by Year
in descending order

169 papers	5,693 citations	71102 41 h-index	102487 66 g-index
169 all docs	169 docs citations	169 times ranked	5010 citing authors

#	Article	IF	Citations
1	A survey for variable young stars with small telescopes: First results from HOYS-CAPS. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5091-5103.	4.4	15
2	Multiple rare-earth ion environments in amorphous(Gd2O3)0.230(P2O5)0.770revealed by gadoliniumK-edge anomalous x-ray scattering. Physical Review Materials, 2018, 2, .	2.4	1
3	Neutron diffraction study of antibacterial bioactive calcium silicate solâ€gel glasses containing silver. International Journal of Applied Glass Science, 2017, 8, 364-371.	2.0	4
4	Bioactive Solâ€"Gel Glasses at the Atomic Scale: The Complementary Use of Advanced Probe and Computer Modeling Methods. International Journal of Applied Glass Science, 2016, 7, 147-153.	2.0	9
5	Molecular dynamics modelling of sodium and calcium metaphosphate glasses for biomaterial applications. Journal of Commonwealth Law and Legal Education, 2016, 57, 245-253.	0.5	3
6	Probing crystallisation of a fluoro-apatite - mullite system using neutron diffraction. Journal of Non-Crystalline Solids, 2016, 451, 84-88.	3.1	1
7	Characterisation of phosphate coacervates for potential biomedical applications. Journal of Biomaterials Applications, 2014, 28, 1226-1234.	2.4	27
8	<i>NXFit</i>: a program for simultaneously fitting X-ray and neutron diffraction pair-distribution functions to provide optimized structural parameters. Journal of Applied Crystallography, 2014, 47, 1790-1796.	4.5	20
9	Effects of rare-earth co-doping on the local structure of rare-earth phosphate glasses using high and low energy X-ray diffraction. Physical Chemistry Chemical Physics, 2013, 15, 8529.	2.8	9
10	Structural characterisation of hypoxia-mimicking bioactive glasses. Journal of Materials Chemistry B, 2013, 1, 1296.	5.8	30
11	Structural study of Al2O3-Na2O-CaO-P2O5 bioactive glasses as a function of aluminium content. Journal of Chemical Physics, 2013, 138, 034501.	3.0	11
12	Do â€˜passiveâ€™ medical titanium surfaces deteriorate in service in the absence of wear?. Journal of the Royal Society Interface, 2012, 9, 3161-3164.	3.4	83
13	Solâ€"Gel Phosphate-based Glass for Drug Delivery Applications. Journal of Biomaterials Applications, 2012, 26, 613-622.	2.4	31
14	Effect of Calcium Source on Structure and Properties of Solâ€"Gel Derived Bioactive Glasses. Langmuir, 2012, 28, 17465-17476.	3.5	87
15	Characterizing the hierarchical structures of bioactive solâ€"gel silicate glass and hybrid scaffolds for bone regeneration. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 1422-1443.	3.4	115
16	A structural investigation of the alkali metal site distribution within bioactive glass using neutron diffraction and multinuclear solid state NMR. Physical Chemistry Chemical Physics, 2012, 14, 12105.	2.8	40
17	Structural characterization of titanium-doped Bioglass using isotopic substitution neutron diffraction. Physical Chemistry Chemical Physics, 2012, 14, 15807.	2.8	15
18	An examination of the calcium and strontium site distribution in bioactive glasses through isomorphic neutron diffraction, X-ray diffraction, EXAFS and multinuclear solid state NMR. Journal of Materials Chemistry, 2012, 22, 22212.	6.7	40

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19	Titanium-containing bioactive phosphate glasses. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 1352-1375.	3.4	36
20	Insights into new calcium phosphosilicate xerogels using an advanced characterization methodology. Journal of Non-Crystalline Solids, 2011, 357, 3548-3555.	3.1	20
21	Solâ€“gel produced sodium calcium phosphosilicates for bioactive applications: Synthesis and structural characterisation. Materials Chemistry and Physics, 2011, 130, 690-696.	4.0	12
22	Magnesium incorporation into hydroxyapatite. Biomaterials, 2011, 32, 1826-1837.	11.4	296
23	Probing vibrational modes in silica glass using inelastic neutron scattering with mass contrast. Physical Review B, 2010, 81, .	3.2	14
24	Bioactive glass scaffolds for bone regeneration and their hierarchical characterisation. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2010, 224, 1373-1387.	1.8	102
25	A comparative study of the structure of sodium borophosphates made by solâ€“gel and melt-quench methods. Journal of Non-Crystalline Solids, 2010, 356, 490-494.	3.1	11
26	The effect of zinc and titanium on the structure of calciumâ€“sodium phosphate based glass. Journal of Non-Crystalline Solids, 2010, 356, 1319-1324.	3.1	23
27	Probing the calcium and sodium local environment in bones and teeth using multinuclear solid state NMR and X-ray absorption spectroscopy. Physical Chemistry Chemical Physics, 2010, 12, 1081-1091.	2.8	70
28	The structure of calcium metaphosphate glass obtained from x-ray and neutron diffraction and reverse Monte Carlo modelling. Journal of Physics Condensed Matter, 2009, 21, 035109.	1.8	24
29	Structural characterization by x-ray methods of novel antimicrobial gallium-doped phosphate-based glasses. Journal of Chemical Physics, 2009, 130, 064708.	3.0	23
30	Bioactive glass solâ€gel foam scaffolds: Evolution of nanoporosity during processing and <i>in situ</i> monitoring of apatite layer formation using smallâ€and wideâ€angle Xâ€ray scattering. Journal of Biomedical Materials Research - Part A, 2009, 91A, 76-83.	4.0	40
31	Preparation, structural characterisation and antibacterial properties of Ga-doped solâ€“gel phosphate-based glass. Journal of Materials Science, 2009, 44, 1858-1867.	3.7	46
32	A study of the formation of amorphous calcium phosphate and hydroxyapatite on melt quenched BioglassÂ® using surface sensitive shallow angle X-ray diffraction. Journal of Materials Science: Materials in Medicine, 2009, 20, 883-888.	3.6	51
33	Controlled delivery of antimicrobial gallium ions from phosphate-based glasses. Acta Biomaterialia, 2009, 5, 1198-1210.	8.3	108
34	Doping of a high calcium oxide metaphosphate glass with titanium dioxide. Journal of Non-Crystalline Solids, 2009, 355, 991-1000.	3.1	50
35	Structure and properties of strontium-doped phosphate-based glasses. Journal of the Royal Society Interface, 2009, 6, 435-446.	3.4	135
36	A molecular dynamics model of the atomic structure of dysprosium alumino-phosphate glass. Journal of Physics Condensed Matter, 2009, 21, 075102.	1.8	14

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37	Bioactive functional materials: a perspective on phosphate-based glasses. Journal of Materials Chemistry, 2009, 19, 690-701.	6.7	289
38	The atomic structure of niobium and tantalum containing borophosphate glasses. Journal of Physics Condensed Matter, 2009, 21, 375106.	1.8	19
39	Solâ€“gel synthesis and structural characterisation of P₂O₅â€“B₂O₃â€“Na₂O glasses for biomedical applications. Journal of Materials Chemistry, 2009, 19, 150-158.	6.7	53
40	Formation of functional phosphosilicate gels from phytic acid and tetraethyl orthosilicate. Journal of Sol-Gel Science and Technology, 2008, 48, 378-383.	2.4	21
41	Solâ€“gel preparation and high-energy XRD study of (CaO)x(TiO2)0.5âˆ'x(P2O5)0.5 glasses (xÂ=Â0 and 0.25). Journal of Materials Science: Materials in Medicine, 2008, 19, 1661-1668.	3.6	13
42	Ti K-edge XANES study of the local environment of titanium in bioresorbable TiO2â€“CaOâ€“Na2Oâ€“P2O5 glasses. Journal of Materials Science: Materials in Medicine, 2008, 19, 1681-1685.	3.6	21
43	Structural Characteristics of Antibacterial Bioresorbable Phosphate Glass. Advanced Functional Materials, 2008, 18, 634-639.	14.9	19
44	Antimicrobial Galliumâ€Doped Phosphateâ€Based Glasses. Advanced Functional Materials, 2008, 18, 732-741.	14.9	161
45	Characterisation of solâ€“gel prepared (HfO2)x(SiO2)1âˆ'x (x=0.1, 0.2 and 0.4) by 1H, 13C, 17O and 29Si MAS NMR, FTIR and TGA. Solid State Nuclear Magnetic Resonance, 2008, 33, 16-24.	2.3	13
46	A high-energy X-ray diffraction, 31P and 11B solid-state NMR study of the structure of aged sodium borophosphate glasses. Materials Chemistry and Physics, 2008, 111, 455-462.	4.0	39
47	Solâ€“gel synthesis and structural characterisation of binary TiO2â€“P2O5 glasses. Materials Research Bulletin, 2008, 43, 333-342.	5.2	20
48	The effect of composition on the structure of sodium borophosphate glasses. Journal of Non-Crystalline Solids, 2008, 354, 3671-3677.	3.1	87
49	An X-ray absorption spectroscopy study of the local environment of iron in degradable ironâ€“phosphate glasses. Journal of Non-Crystalline Solids, 2008, 354, 5542-5546.	3.1	9
50	Sulfur and iron speciation in recently recovered timbers of the Mary Rose revealed via X-ray absorption spectroscopy. Journal of Archaeological Science, 2008, 35, 1317-1328.	2.4	61
51	The structure of phosphate glass biomaterials from neutron diffraction and31P nuclear magnetic resonance data. Journal of Physics Condensed Matter, 2007, 19, 415116.	1.8	23
52	The structure of the rare-earth phosphate glass (Sm2O3)0.205(P2O5)0.795studied by anomalous dispersion neutron diffraction. Journal of Physics Condensed Matter, 2007, 19, 056002.	1.8	18
53	Synthesis and structural characterization of P2O5â€“CaOâ€“Na2O solâ€“gel materials. Journal of Non-Crystalline Solids, 2007, 353, 1141-1149.	3.1	101
54	Direct observation of the Râ‹¯R separation in rare-earth phosphate glasses. Journal of Non-Crystalline Solids, 2007, 353, 1773-1778.	3.1	2

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55	A structural study of solâ€“gel and melt-quenched phosphate-based glasses. Journal of Non-Crystalline Solids, 2007, 353, 1759-1765.	3.1	75
56	In vitro changes in the structure of a bioactive calciaâ€“silica solâ€“gel glass explored using isotopic substitution in neutron diffraction. Journal of Non-Crystalline Solids, 2007, 353, 1854-1859.	3.1	9
57	New solâ€“gel synthesis of a (CaO)0.3(Na2O)0.2(P2O5)0.5 bioresorbable glass and its structural characterisation. Journal of Materials Chemistry, 2007, 17, 4777.	6.7	52
58	Effect of Silver Content on the Structure and Antibacterial Activity of Silver-Doped Phosphate-Based Glasses. Antimicrobial Agents and Chemotherapy, 2007, 51, 4453-4461.	3.2	103
59	A Neutron and Xâ€Ray Diffraction Study of Bioglass^{Â®} with Reverse Monte Carlo Modelling. Advanced Functional Materials, 2007, 17, 3746-3753.	14.9	74
60	The neutron diffraction anomalous dispersion technique and its application to vitreous Sm2O3Â·4P2O5. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 571, 622-635.	1.6	14
61	<i>In situ</i>high-energy X-ray diffraction study of a bioactive calcium silicate foam immersed in simulated body fluid. Journal of Synchrotron Radiation, 2007, 14, 492-499.	2.4	10
62	A high energy X-ray diffraction study of solâ€“gel derived (Ta2O5) x (SiO2)1âˆ’x glasses (xÂ=Â0.05, 0.11 and) Tj ETQq0 0 0 rgBT /Overlo 153-159.	2.4	1
63	The structure and properties of silver-doped phosphate-based glasses. Journal of Materials Science, 2007, 42, 9827-9835.	3.7	52
64	Direct observation ofRâ€¦Rdistances in rare-earth(R)phosphate glasses by magnetic difference neutron diffraction. Physical Review B, 2006, 73, .	3.2	22
65	X-ray absorption spectroscopy and high-energy XRD study of the local environment of copper in antibacterial copper-releasing degradable phosphate glasses. Journal of Non-Crystalline Solids, 2006, 352, 3080-3087.	3.1	18
66	The use of advanced diffraction methods in the study of the structure of a bioactive calcia: silica sol-gel glass. Journal of Materials Science: Materials in Medicine, 2006, 17, 1003-1010.	3.6	21
67	Solid State NMR as A Probe of Inorganic Materials:Examples From Glasses and Sol-Gels. Materials Research Society Symposia Proceedings, 2006, 984, 1.	0.1	1
68	A multinuclear solid state NMR study of the solâ€“gel formation of amorphous Nb2O5â€“SiO2 materials. Solid State Nuclear Magnetic Resonance, 2005, 27, 28-36.	2.3	27
69	Structure of a-C:N:H prepared from ammonia. Journal of Materials Research, 2005, 20, 3338-3345.	2.6	4
70	The structure of a bioactive calciaâ€“silica solâ€“gel glass. Journal of Materials Chemistry, 2005, 15, 2369.	6.7	60
71	Solâ€“gel synthesis of the P2O5â€“CaOâ€“Na2Oâ€“SiO2 system as a novel bioresorbable glass. Journal of Materials Chemistry, 2005, 15, 2134.	6.7	69
72	Advanced physical characterisation of the structural evolution of amorphous (TiO₂)_x(SiO₂)_{1-x}sol-gel materials. Journal of Materials Science, 2004, 39, 6743-6755.	3.7	32

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73	Structural studies of bioactivity in sol-gel-derived glasses by X-ray spectroscopy. Journal of Biomedical Materials Research Part B, 2004, 70A, 354-360.	3.1	27
74	Recent developments of the e.VERDI project at ISIS. Physica B: Condensed Matter, 2004, 350, E837-E840.	2.7	2
75	New insights into medium-range order around titanium in solâ€"gel derived silica through isotope difference neutron diffraction and reverse Monte Carlo modelling. Chemical Physics Letters, 2004, 392, 503-507.	2.6	7
76	Systematic empirical analysis of calciumâ€"oxygen coordination environment by calcium K-edge XANES. Physical Chemistry Chemical Physics, 2004, 6, 188-192.	2.8	89
77	The Structure of TiO2â'SiO2Solâ'Gel Glasses from Neutron Diffraction with Isotopic Substitution of Titanium and17O and49Ti Solid-State NMR with Isotopic Enrichment. Journal of Physical Chemistry B, 2004, 108, 10872-10880.	2.6	23
78	Probing the local structural environment of calcium by natural-abundance solid-stateCa43NMR. Physical Review B, 2004, 69, .	3.2	55
79	Transition Metal Atom Sites in Ternary ZrO2-TiO2-SiO2 Xerogels. Journal of Sol-Gel Science and Technology, 2003, 26, 137-141.	2.4	5
80	Comparing the Atomic Structures of Binary MO2-SiO2 (M = Ti, Zr or Hf) Xerogels. Journal of Sol-Gel Science and Technology, 2003, 26, 161-164.	2.4	24
81	The effects of different heat treatment and atmospheres on the NMR signal and structure of TiO2â€"ZrO2â€"SiO2 solâ€"gel materials. Solid State Nuclear Magnetic Resonance, 2003, 23, 88-106.	2.3	40
82	Structural Characterization of Mixed (TiO2)x(ZrO2)y(SiO2)1-x-y Solâ'Gels (0.05 â‰ x, y â‰ 0.15) by a Combination of X-ray and Spectroscopy Techniques. Journal of Physical Chemistry B, 2003, 107, 7557-7566.	2.6	15
83	TOSCA neutron spectrometer: The final configuration. Applied Physics A: Materials Science and Processing, 2002, 74, s64-s66.	2.3	180
84	A rare earth L3-edge EXAFS and L1-edge XANES study of Ce, Nd and Eu phosphate glasses and crystals in the composition range from metaphosphate to ultraphosphate. Journal of Non-Crystalline Solids, 2001, 279, 20-27.	3.1	41
85	Comment on â€œQuantitative Analysis of Tiâ'Oâ'Si and Tiâ'Oâ'Ti Bonds in Tiâ'Si Binary Oxides by the Linear Combination of XANESâ€. Journal of Physical Chemistry B, 2001, 105, 6273-6273.	2.6	4
86	An x-ray diffraction and31P MAS NMR study of rare-earth phosphate glasses, (R2O3)x(P2O5)1-x,x= 0.175-0.263, R = La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er. Journal of Physics Condensed Matter, 2001, 13, 4105-4122.	1.8	58
87	A rare-earth K-edge EXAFS study of rare-earth phosphate glasses, (R2O3)x(P2O5)1-x,x= 0.187-0.239, R = La, Nd, Sm, Eu, Gd, Dy, Er. Journal of Physics Condensed Matter, 2001, 13, 6659-6674.	1.8	29
88	Crystal Structures and Magnetic Properties of Rare-Earth Ultraphosphates, RP5O14 (R=La, Nd, Sm, Eu,) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	56
89	In situhigh temperature x-ray diffraction measurements on a (TiO2)0.18(SiO2)0.82xerogel using a curved image-plate. Journal of Physics Condensed Matter, 2000, 12, 3521-3529.	1.8	9
90	In situEXAFS and XANES measurements of the change in Ti coordination during the calcination of a (TiO2)0.18(SiO2)0.82aerogel. Journal of Physics Condensed Matter, 2000, 12, 9751-9760.	1.8	14

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91	Inhomogeneities in acid-catalyzed titaniaâ€“silica and zirconiaâ€“silica xerogels as revealed by small-angle x-ray scattering. Journal of Materials Research, 2000, 15, 1998-2005.	2.6	13
92	Structure of (Ta2O5)x(SiO2)1 âˆ’ x xerogels (x = 0.05, 0.11, 0.18, 0.25 and 1.0) from FTIR, 29Si and 17O MAS NMR and EXAFS. Journal of Materials Chemistry, 2000, 10, 1887-1894.	6.7	40
93	Synthesis, characterisation and performance of (TiO2)0.18(SiO2)0.82 xerogel catalysts. Journal of Materials Chemistry, 2000, 10, 2495-2501.	6.7	53
94	Changes in the Zr environment in zirconiaâ€“silica xerogels with composition and heat treatment as revealed by Zr K-edge XANES and EXAFS. Physical Chemistry Chemical Physics, 2000, 2, 2455-2460.	2.8	70
95	The effect of zirconia content on the structure of zirconia-silica xerogels as determined by x-ray and neutron diffraction and Zr K-edge EXAFS and XANES. Journal of Physics Condensed Matter, 2000, 12, 3505-3519.	1.8	21
96	A neutron diffraction and27Al MQMAS NMR study of rare-earth phosphate glasses, (R2O3)x(P2O5)1-x,x= 0.187-0.263, R = Ce, Nd, Tb containing Al impurities. Journal of Physics Condensed Matter, 1999, 11, 9165-9178.	1.8	27
97	Nanoscale Heterogeneities in Amorphous Semiconductor_{<i>x</i>}metal_{1â€“<i>x</i>} Alloys: A Small-angle X-ray Scattering Study. Journal of Materials Research, 1999, 14, 1272-1278.	2.6	3
98	An extended x-ray absorption fine structure study of rare-earth phosphate glasses near the metaphosphate composition. Journal of Materials Research, 1999, 14, 4706-4714.	2.6	38
99	In-situ high-temperature XANES observations of rapid and reversible changes in Ti coordination in titaniaâ€“silica xerogels. Chemical Physics Letters, 1999, 304, 150-154.	2.6	27
100	Title is missing!. Journal of Materials Science Letters, 1999, 18, 1553-1553.	0.5	0
101	Structure of (ZrO2)x(SiO2)1-x xerogels (x=0.1, 0.2, 0.3 and 0.4) from FTIR, 29Si and 17O MAS NMR and EXAFS. Physical Chemistry Chemical Physics, 1999, 1, 2527-2533.	2.8	70
102	A structural study of (TiO2)x(SiO2)1âˆ’x (x=0.18, 0.30 and 0.41) xerogels prepared using acetylacetone. Journal of Materials Chemistry, 1999, 9, 1299-1305.	6.7	63
103	XANES Study of Ti Coordination in Heat-Treated (TiO2)x(SiO2)1-xXerogels. Chemistry of Materials, 1999, 11, 1253-1258.	6.7	76
104	An EXAFS study of silicaâ€“titania solâ€“gels. Journal of Non-Crystalline Solids, 1998, 232-234, 72-79.	3.1	27
105	Reverse Monte Carlo modelling of Eu and Tb metaphosphate glasses. Journal of Non-Crystalline Solids, 1998, 232-234, 227-233.	3.1	21
106	A new model for tetrahedral amorphous carbon (ta-C). Journal of Non-Crystalline Solids, 1998, 232-234, 694-701.	3.1	3
107	An EXAFS study of rare-earth phosphate glasses in the vicinity of the metaphosphate composition. Journal of Non-Crystalline Solids, 1998, 232-234, 286-292.	3.1	28
108	Progress in modeling the chemical bonding in tetrahedral amorphous carbon. Physical Review B, 1998, 58, 8267-8276.	3.2	23

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109	The effect of hydrogen dilution on the structure of a-C:H. Journal of Physics Condensed Matter, 1998, 10, 4161-4176.	1.8	9
110	X-ray diffraction studies of the effects of N incorporation in amorphous CNx materials. Journal of Applied Physics, 1998, 83, 3529-3534.	2.5	22
111	The role of titanium in : mixed sol-gels: an x-ray and neutron diffraction study. Journal of Physics Condensed Matter, 1997, 9, 4001-4016.	1.8	11
112	Neutron-diffraction studies of amorphousCNxmaterials. Physical Review B, 1997, 56, 14315-14321.	3.2	17
113	The structural characterization of amorphous thin films and coatings in their as-deposited state using x-rays at shallow angles of incidence. Journal of Materials Research, 1997, 12, 264-276.	2.6	12
114	A new approach to modelling tetrahedral amorphous carbon. Journal of Physics Condensed Matter, 1997, 9, L457-L463.	1.8	10
115	TOSCA: a world class inelastic neutron spectrometer. Physica B: Condensed Matter, 1997, 241-243, 154-156.	2.7	30
116	An atomic-scale study of the role of titanium in TiO2:SiO2 sol-gel materials. Chemical Physics Letters, 1997, 264, 539-544.	2.6	37
117	A neutron and X-ray diffraction study of the influence of deposition conditions on the structure of a-C:H. Journal of Non-Crystalline Solids, 1996, 197, 41-52.	3.1	14
118	Reverse Monte Carlo modeling of amorphous germanium. Physical Review B, 1996, 53, 2405-2410.	3.2	31
119	Role of titanium in TiO2: SiO2solâ€"gels: an X-ray diffraction study. Journal of Materials Chemistry, 1996, 6, 337-342.	6.7	10
120	Structure of a novel form of carbon: dehydropolycondensed adamantane?. Journal of Materials Chemistry, 1996, 6, 449.	6.7	2
121	Reverse Monte Carlo model calculations on a-C:H two-component systems. Zeitschrift FÃ¼r Physik B-Condensed Matter, 1996, 101, 631-636.	1.1	2
122	An X-ray absorption study of doped silicate glass, fibre optic preforms. Journal of Materials Science, 1996, 31, 485-490.	3.7	11
123	X-ray diffraction studies of rare-earth metaphosphate glasses. Journal of Physics Condensed Matter, 1996, 8, 3337-3346.	1.8	23
124	A Reverse Monte Carlo Modeling Study of Diamondâ€like Carbon. Journal of the Electrochemical Society, 1996, 143, 292-296.	2.9	9
125	Shallow Angle Xâ€Ray Diffraction from Asâ€Deposited Diamond Thin Films. Journal of the Electrochemical Society, 1996, 143, 1033-1037.	2.9	1
126	EXAFS studies of rare-earth metaphosphate glasses. Physical Review B, 1996, 53, 5268-5275.	3.2	86

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127	Neutron and x-ray diffraction studies of a-C:N:H. Journal of Physics Condensed Matter, 1996, 8, 4739-4750.	1.8	6
128	The effect of temperature on the structure of amorphous hydrogenated carbon. Physica Scripta, 1995, T57, 142-145.	2.5	12
129	EXAFS investigations of high-nuclearity Pd clusters. Physica B: Condensed Matter, 1995, 208-209, 671-673.	2.7	18
130	A spectroscopic study of the structure of amorphous hydrogenated carbon. Journal of Physics Condensed Matter, 1995, 7, 10059-10073.	1.8	33
131	The atomic-scale structure of amorphous hydrogenated carbon. Journal of Physics Condensed Matter, 1995, 7, 1755-1769.	1.8	29
132	Small-angle X-ray scattering studies of a-Si:C:H. Journal of Non-Crystalline Solids, 1995, 190, 276-282.	3.1	2
133	EXAFS and x-ray structural studies of $(Tb_2O_3)_{0.26}(P_2O_5)_{0.74}$metaphosphate glass. Physical Review B, 1995, 51, 5739-5745.	3.2	45
134	A reverse Monte Carlo modelling study of amorphous hydrogenated carbon. Physica Scripta, 1995, T57, 137-141.	2.5	13
135	An X-ray absorption study of gold coordination compounds: EXAFS refinements and double electron excitation background. Journal of Physics Condensed Matter, 1994, 6, 8429-8448.	1.8	21
136	Neutron Compton scattering from amorphous hydrogenated carbon. Journal of Physics Condensed Matter, 1994, 6, 641-658.	1.8	50
137	Structural properties of amorphous hydrogenated carbon. III. NMR investigations. Physical Review B, 1994, 50, 846-852.	3.2	95
138	Structural properties of amorphous hydrogenated carbon. I. A high-resolution neutron-diffraction study. Physical Review B, 1994, 50, 831-838.	3.2	48
139	The effect of temperature on the structure of amorphous hydrogenated carbon. Journal of Chemical Physics, 1994, 101, 4288-4300.	3.0	36
140	Structural properties of amorphous hydrogenated carbon. II. An inelastic neutron-scattering study. Physical Review B, 1994, 50, 839-845.	3.2	43
141	The effect of hydrogen dilution on the interatomic bonding of amorphous hydrogenated silicon: carbon. Journal of Non-Crystalline Solids, 1994, 169, 54-63.	3.1	8
142	Detection of structural heterogeneity in amorphous-C:H films by NMR. Thin Solid Films, 1993, 227, 3-6.	1.8	11
143	An EXAFS study of some gold and palladium cluster compounds. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1993, 26, 8-11.	1.0	33
144	A high-resolution neutron-diffraction study of the structure of amorphous hydrogenated carbon, a-C:H. Journal of Physics Condensed Matter, 1993, 5, L387-L392.	1.8	10

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145	An in situ xâ€ray diffraction method for the structure of amorphous thin films using shallow angles of incidence. Review of Scientific Instruments, 1992, 63, 1150-1152.	1.3	4
146	An X-Ray Scattering Study of Amorphous Hydrogenated Carbon. Materials Research Society Symposia Proceedings, 1992, 270, 457.	0.1	0
147	The Structure of Amorphous Hydrogenated Carbon by Neutron Diffraction. Materials Research Society Symposia Proceedings, 1992, 270, 493.	0.1	1
148	A Computer Modelling Study of the Structure of a-C:H. Materials Research Society Symposia Proceedings, 1992, 270, 505.	0.1	1
149	The Structure of Amorphous Hydrogenated Silicon:Carbon Alloys Using X-Ray and Neutron Scattering and Computer Simulation - The Effect of Hydrogen Dilution. Materials Research Society Symposia Proceedings, 1992, 270, 97.	0.1	0
150	Structural Analysis of Gold Clusters Using Exafs. Materials Research Society Symposia Proceedings, 1992, 272, 289.	0.1	2
151	Inelastic neutron scattering of amorphous hydrogenated carbon. Diamond and Related Materials, 1992, 1, 293-297.	3.9	4
152	The use of neutron scattering experiments for studying molecular hydrogen in amorphous hydrogenated carbon. Physica B: Condensed Matter, 1992, 180-181, 787-789.	2.7	5
153	Highâ€energy spin waves in bcc iron. Journal of Applied Physics, 1991, 69, 6219-6221.	2.5	33
154	Structural studies of amorphous Ge-Au alloys. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1991, 63, 457-463.	0.6	13
155	Inelastic neutron scattering of molecular hydrogen in amorphous hydrogenated carbon. Chemical Physics Letters, 1991, 180, 145-148.	2.6	34
156	The structure of a C:H by neutron and X-ray scattering. Surface and Coatings Technology, 1991, 47, 668-676.	4.8	16
157	The structure of a-Si1â^'xSnx:H thin films. Physica B: Condensed Matter, 1990, 167, 247-256.	2.7	3
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