

# S Ranganathan

## List of Publications by Year in descending order

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docs citations

246  
times ranked

2703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel materials synthesis by mechanical alloying/milling. International Materials Reviews, 1998, 43, 101-141.	19.3	553
2	A field ion microscope study of atomic configuration at grain boundaries. Acta Metallurgica, 1964, 12, 813-821.	2.1	528
3	On the geometry of coincidence-site lattices. Acta Crystallographica, 1966, 21, 197-199.	0.5	352
4	The three activation energies with isothermal transformations: applications to metallic glasses. Journal of Materials Science, 1981, 16, 2401-2404.	3.7	330
5	Electron microscopy of quasi-crystals in rapidly solidified Al-14% Mn alloys. Scripta Metallurgica, 1985, 19, 767-771.	1.2	133
6	Collisionless Sound in Classical Fluids. Physical Review, 1967, 164, 222-227.	2.7	113
7	Solid state amorphization in binary Ti <sub>1-x</sub> Ni <sub>x</sub> , Ti <sub>1-x</sub> Cu <sub>x</sub> and ternary Ti <sub>1-x</sub> Ni <sub>y</sub> Cu <sub>1-x-y</sub> system by mechanical alloying. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1992, 149, 231-240.	5.6	103
8	Milling maps and amorphization during mechanical alloying. Acta Metallurgica Et Materialia, 1995, 43, 2443-2450.	1.8	98
9	Vacancy ordered phases and one-dimensional quasiperiodicity. Acta Metallurgica, 1987, 35, 727-733.	2.1	92
10	Glass forming ability: Miedema approach to (Zr, Ti, Hf)-Cu, Ni binary and ternary alloys. Journal of Alloys and Compounds, 2008, 465, 163-172.	5.5	91
11	Ketene Equivalents*. Synthesis, 1977, 1977, 289-296.	2.3	82
12	Effects of silicon sources on its deposition, chlorophyll content, and disease and pest resistance in rice. Biologia Plantarum, 2006, 50, 713-716.	1.9	77
13	On the short-range order in Al-Mn quasicrystals during low-temperature ageing. Philosophical Magazine Letters, 1987, 56, 121-127.	1.2	70
14	Novel materials synthesis by mechanical alloying/milling. International Materials Reviews, 1998, 43, 101-141.	19.3	61
15	Self accommodation morphology of martensite variants in Zr-2.5wt%Nb alloy. Acta Metallurgica Et Materialia, 1993, 41, 3445-3454.	1.8	59
16	Electron microscopy and diffraction of icosahedral and decagonal quasicrystals in aluminium-manganese alloys. Journal of Microscopy, 1987, 146, 287-302.	1.8	58
17	Quasicrystals and their crystalline homologues in the Al <sub>60</sub> Mn <sub>11</sub> Ni <sub>4</sub> ternary alloy. Journal of Microscopy, 1988, 149, 1-19.	1.8	55
18	Field Ion Microscopic Observations of Dislocation Structures at Grain Boundaries. Journal of Applied Physics, 1966, 37, 4346-4350.	2.5	53

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19	Nitroethylene as a versatile ketene equivalent. Novel one-step preparation of prostaglandin intermediates by reduction and abnormal nef reaction. <i>Journal of the American Chemical Society</i> , 1974, 96, 5261-5262.	13.7	51
20	Bulk metallic glasses: A new class of engineering materials. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2003, 28, 783-798.	1.3	50
21	An electron microscopic study of quasicrystals in a quaternary alloy : Mg <sub>32</sub> (Al, Zn, Cu) <sub>49</sub> . <i>Scripta Metallurgica</i> , 1986, 20, 525-528.	1.2	47
22	On the variety of electron diffraction patterns from quasicrystals. <i>Scripta Metallurgica</i> , 1985, 19, 1331-1334.	1.2	44
23	Evolution of superlattice order in Al-Mn quasicrystals and its relation to face-centred icosahedral quasicrystals. <i>Philosophical Magazine Letters</i> , 1989, 60, 207-211.	1.2	44
24	Self-diffusion coefficients of Lennard-Jones fluids. <i>Journal of Physics C: Solid State Physics</i> , 1987, 20, 5749-5757.	1.5	43
25	Decagonal quasicrystals. <i>Progress in Materials Science</i> , 1997, 41, 195-240.	32.8	40
26	Rational approximant structures and phason strain in icosahedral quasicrystalline phases. <i>Acta Metallurgica Et Materialia</i> , 1991, 39, 1151-1159.	1.8	39
27	A comparative electron microscopic study of Al-based and Mg-based quasicrystals. <i>Journal of Materials Research</i> , 1987, 2, 299-304.	2.6	37
28	Morphology and substructure of lath martensites in dilute Zr-Nb alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 288, 101-110.	5.6	36
29	Effect of mode of rolling on development of texture and microstructure in two-phase ( $\beta_1+\beta_2$ ) brass. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 4582-4592.	5.6	35
30	Quasicrystals. <i>Annual Review of Materials Research</i> , 1991, 21, 437-462.	5.5	33
31	On the decomposition of $\beta_2$ phase in some rapidly quenched titanium-eutectoid alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1995, 26, 1367-1377.	2.2	33
32	The shear viscosity of Lennard-Jones fluids. <i>Journal of Physics C: Solid State Physics</i> , 1988, 21, 3607-3617.	1.5	32
33	An application of Pettifor structure maps for the identification of pseudo-binary quasicrystalline intermetallics. <i>Acta Materialia</i> , 2006, 54, 3647-3656.	7.9	32
34	Plate-shaped transformation products in zirconium-base alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1997, 28, 2201-2216.	2.2	30
35	Microstructural features and heat flow analysis of atomized and spray-formed Al-Fe-V-Si alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1998, 29, 2205-2219.	2.2	30
36	Clustering and ordering of nitrogen in nuclear grade 316LN austenitic stainless steel. <i>Journal of Nuclear Materials</i> , 1998, 254, 1-8.	2.7	30

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37	The interpretation of field ion images. Philosophical Magazine and Journal, 1967, 16, 723-737.	1.7	29
38	Quasicrystals, crystals and multiple twins in rapidly solidified AlCrSi, AlMnSi and AlMnCrSi alloys. Acta Materialia, 1996, 44, 2935-2946.	7.9	29
39	Freezing transition of two-dimensional Lennard-Jones fluids. Physical Review A, 1992, 45, 5789-5792.	2.5	28
40	The interpretation of field-ion micrographs: Streak contrast. Philosophical Magazine and Journal, 1965, 12, 841-854.	1.7	27
41	A study of the glass-forming range in the ternary Ti-Ni-Al system by mechanical alloying. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 179-180, 168-172.	5.6	27
42	Nanocrystalline TiO <sub>2</sub> by three different synthetic approaches: A comparison. Bulletin of Materials Science, 2007, 30, 263-269.	1.7	27
43	Theory of transport coefficients of simple fluids. Journal of Physics Condensed Matter, 1990, 2, 5891-5905.	1.8	25
44	Quasicrystals and their crystalline homologues in the Al-Mn-Cu ternary alloys. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1991, 64, 413-427.	0.6	25
45	Formation ranges of icosahedral, amorphous and crystalline phases in rapidly solidified Ti-Zr-Hf-Ni alloys. Acta Materialia, 2005, 53, 759-764.	7.9	25
46	The preparation and transformations of 2-aza-3-oxabicyclo [2.2.1] heptene hydrochloride. Tetrahedron, 1981, 37, 629-635.	1.9	23
47	Rapidly solidified Al-Cr alloys: Crystalline and quasicrystalline phases. Journal of Materials Research, 1989, 4, 539-551.	2.6	23
48	A transmission electron microscopic study of icosahedral twins in rapidly solidified Al-Mn-Fe alloys. Acta Metallurgica Et Materialia, 1995, 43, 3539-3551.	1.8	22
49	A simple and convenient route to 11-desoxyprostaglandins. Tetrahedron, 1976, 32, 961-964.	1.9	21
50	Synthesis of amorphous phase in Ti-Ni-Cu system by mechanical alloying. Scripta Metallurgica Et Materialia, 1990, 24, 1819-1824.	1.0	21
51	Computer Simulation of Field Ion Images of Hexagonal Structures and Superlattices. Journal of Applied Physics, 1967, 38, 4957-4965.	2.5	20
52	Glass forming ability and stability: Ternary Cu bearing Ti, Zr, Hf alloys. Intermetallics, 2009, 17, 128-135.	3.9	20
53	Electron microscopy and diffraction of icosahedral twins in an aluminium-manganese alloy. Philosophical Magazine Letters, 1989, 59, 257-263.	1.2	19
54	Nanocrystalline phase formation and extension of solid solubility by mechanical alloying in Ti-based systems. Scripta Materialia, 1993, 3, 459-467.	0.5	19

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55	Quasicrystalline phases and their approximants in AlMnZn alloys. <i>Acta Materialia</i> , 1997, 45, 5327-5336.	7.9	19
56	Microstructural characterization of rapidly solidified Al-Fe-Si, Al-V-Si, and Al-Fe-V-Si alloys. <i>Journal of Materials Research</i> , 2001, 16, 2103-2117.	2.6	19
57	Phase composition and transformation behavior of readily solidified Al-Ni-Fe alloys in the Al-decagonal phase region. <i>Journal of Alloys and Compounds</i> , 2005, 399, 132-138.	5.5	19
58	Binary-collision contributions to atomic motions in fluids. <i>Physical Review E</i> , 1994, 50, 1135-1143.	2.1	18
59	Cr <sub>2</sub> N precipitation stages in 316LN austenitic stainless steels. <i>Scripta Metallurgica Et Materialia</i> , 1994, 31, 589-593.	1.0	18
60	On the variety of electron diffraction patterns from a face-centred icosahedral quasicrystal. <i>Scripta Metallurgica Et Materialia</i> , 1991, 25, 409-412.	1.0	17
61	Electron microscopy and diffraction of ordering in Ni <sub>3</sub> -W alloys. <i>Acta Metallurgica Et Materialia</i> , 1995, 43, 2287-2302.	1.8	17
62	Initial crystallization processes of Hf-Cu-M (M=Pt, Pd or Ag) amorphous alloys. <i>Acta Materialia</i> , 2001, 49, 1903-1908.	7.9	17
63	Nanocrystallization of the Fd $\bar{3}m$ Ti <sub>2</sub> Ni-Type Phase in Hf-Based Metallic Glasses. <i>Journal of Nanoscience and Nanotechnology</i> , 2001, 1, 185-190.	0.9	17
64	Iodoxybenzene. A remarkably close ozone equivalent. <i>Tetrahedron</i> , 1984, 40, 3145-3151.	1.9	16
65	Diffusion in liquid alkali metals. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 1309-1318.	1.8	16
66	Nitrogen redistribution, microstructure, and elastic constant evaluation using ultrasonics in aged 316LN stainless steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001, 32, 2959-2968.	2.2	16
67	Evolution of texture and grain boundary microstructure in two-phase (Fe <sub>50</sub> +Ni <sub>50</sub> ) <sup>2</sup> brass during recrystallization. <i>Philosophical Magazine</i> , 2011, 91, 4089-4108.	1.6	16
68	Fascinating problems in organic reaction mechanisms—VI. <i>Tetrahedron</i> , 1974, 30, 63-72.	1.9	15
69	A Novel, Practical and Biogenetic-type Synthesis of a Rare Furanoid Fatty Acid from Castor Oil. <i>Synthesis</i> , 1977, 1977, 838-838.	2.3	15
70	Frequency sum rules of correlation functions in dense gases. I. Molecular-dynamics results. <i>Physical Review A</i> , 1985, 31, 960-965.	2.5	15
71	Synthesis and structural aspects of quasicrystals in Mg-Al-Ag system: Mg <sub>4</sub> Al <sub>6</sub> Ag. <i>Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science</i> , 1989, 20, 805-812.	1.4	15
72	Microstructural and kinetic aspects of devitrification of Fe <sub>40</sub> Ni <sub>40</sub> B <sub>20</sub> metallic glass. <i>Journal of Materials Science</i> , 1990, 25, 4667-4677.	3.7	15

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73	Rational approximants to the decagonal phase in $Al\bar{i}-Mn\bar{i}-M$ ( $M = Ni, Cu, Zn$ ) systems. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994, 181-182, 754-757.	5.6	15
74	The synthesis of PGF1 $\bar{i}\pm$ by re-structuring of castor oil. <i>Tetrahedron</i> , 1980, 36, 1869-1875.	1.9	14
75	Electron microscopy and diffraction of ordering in a Ni-25wt.%Mo alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1992, 150, 75-85.	5.6	14
76	Longitudinal and bulk viscosities of Lennard-Jones fluids. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 10847-10861.	1.8	14
77	Frank's 'cubic' hexagonal phase: An intermetallic cluster compound as an example. <i>Philosophical Magazine Letters</i> , 2002, 82, 13-19.	1.2	14
78	A novel microstructure in a rapidly solidified Al80Fe10V4Si6 alloy. <i>Scripta Metallurgica Et Materialia</i> , 1992, 27, 1241-1245.	1.0	13
79	Synthesis of mesoporous matemals based on titanium(iv)oxide and titanium nitride. <i>Scripta Materialia</i> , 1999, 12, 1063-1069.	0.5	13
80	Diffusion and phase diagram of an electron-hole bilayer: A molecular dynamics study. <i>Physical Review B</i> , 2007, 75, .	3.2	13
81	An unanticipated, facile, regiospecific and stereospecific a $\hat{a}^{\dagger}$ f prostanoid transformation. <i>Tetrahedron Letters</i> , 1975, 16, 1215-1216.	1.4	12
82	Spinodal decomposition in Co-3wt% Ti-1wt% Fe and Co-3 wt% Ti-2 wt% Fe alloys. <i>Journal of Materials Science</i> , 1980, 15, 2010-2016.	3.7	12
83	Nitroethylene nitroethylation of amines. <i>Tetrahedron Letters</i> , 1982, 23, 2789-2792.	1.4	12
84	Energy current density correlation function. II. Thermal conductivity. <i>Journal of Physics Condensed Matter</i> , 1989, 1, 6193-6202.	1.8	12
85	Energy current density correlation function. I. Frequency sum rules. <i>Journal of Physics Condensed Matter</i> , 1989, 1, 6181-6192.	1.8	12
86	Irrational twins in melt spun Al-Mn-Fe-Si alloy. <i>Scripta Metallurgica Et Materialia</i> , 1991, 25, 1477-1482.	1.0	12
87	Order hardening in nickel-molybdenum and nickel-tungsten alloys. <i>Journal of Materials Science</i> , 1992, 27, 1599-1607.	3.7	12
88	Quasicrystalline and crystalline phases and their twins in rapidly solidified $Al\bar{i}-Mn\bar{i}-Fe$ alloys. <i>Journal of Non-Crystalline Solids</i> , 1993, 153-154, 86-91.	3.1	12
89	A new basis for the classification of quasicrystals. <i>Journal of Non-Crystalline Solids</i> , 2004, 334-335, 184-189.	3.1	12
90	Glass-forming ability and stability of ternary Ni-early transition metal (Ti/Zr/Hf) alloys. <i>Acta Materialia</i> , 2008, 56, 1899-1907.	7.9	12

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91	Fascinating problems in organic reaction mechanisms-VII. Tetrahedron, 1975, 31, 1391-1398.	1.9	11
92	A novel stereochemical control. Tetrahedron, 1978, 34, 3129-3132.	1.9	11
93	A chemical and thermochemical study of non-observed symmetry allowed reactions. Tetrahedron, 1981, 37, 4171-4184.	1.9	11
94	On the Mechanism of F.C.C. $\rightarrow$ H.C.P. Transformation. Physica Status Solidi A, 1982, 73, 243-248.	1.7	11
95	Differences in the glass-forming ability of rapidly solidified and mechanically alloyed Ti-Ni-Cu alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1995, 196, 237-241.	5.6	11
96	Ewald sum for electronic bilayer systems. Physical Review E, 2001, 63, 056703.	2.1	11
97	Contrast from Twin Boundaries in Field-Ion Micrographs. Journal of Applied Physics, 1969, 40, 4835-4836.	2.5	10
98	On distinguishing between intrinsic and extrinsic faults in field-ion micrographs. Philosophical Magazine and Journal, 1969, 19, 415-419.	1.7	10
99	The preparation and transformations of an interesting bridgehead nitrile oxide. Tetrahedron Letters, 1970, 11, 1225-1228.	1.4	10
100	[2,3] [3,3]: the novel [2,3] sigmatropic rearrangement of oxime-o-allyl ethers. Tetrahedron Letters, 1973, 14, 3577-3578.	1.4	10
101	Synthesis of the Insect Sex Pheromone of <i>Achroia Grisellavia</i> the Novel Synthon, 1-Tetrahydro-Pyranyloxy Dodec 11-Yne. Synthetic Communications, 1982, 12, 959-966.	2.1	10
102	4-tbutyl iodoxybenzene : an effective ozone equivalent. Tetrahedron Letters, 1985, 26, 4955-4956.	1.4	10
103	Alloy oxide equilibria in the Cr-Mn-O system. Bulletin of Materials Science, 1987, 9, 149-158.	1.7	10
104	A practical and convenient synthesis of the nitroethylene transfer reagent, 2-nitroethyl phenyl sulfoxide. Tetrahedron Letters, 1987, 28, 2893-2894.	1.4	10
105	Spontaneous cyclization of a chain shortened lysine analog. Tetrahedron Letters, 1988, 29, 3111-3114.	1.4	10
106	Microstructural study of rapidly solidified titanium eutectoid alloys. Materials Science and Engineering, 1988, 98, 251-255.	0.1	10
107	Effect of Molybdenum and Silicon on the Electrochemical Corrosion Behavior of FeNiB Metallic Glasses. Corrosion, 1988, 44, 263-270.	1.1	10
108	Binary collision contribution to the longitudinal current correlation function of dense fluids. Physical Review E, 1997, 55, 1550-1557.	2.1	10

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109	Molecular dynamics study of diffusion in a bilayer electron gas. <i>Physical Review E</i> , 2002, 65, 051203.	2.1	10
110	Diffusion of One-Component Plasma in a Magnetic Field - Molecular Dynamics Study. <i>Physics and Chemistry of Liquids</i> , 2003, 41, 123-132.	1.2	10
111	Interpretation of field-ion images from ordered Ni <sub>4</sub> Mo. <i>Physica Status Solidi A</i> , 1972, 13, 359-370.	1.7	9
112	A Practical, Convenient, and Highly Stereospecific Synthesis of 1-Acetoxy (E) 9, 11-Dodecadiene. The Insect Sex Pheromone of Bollworm Moth. <i>Synthetic Communications</i> , 1982, 12, 921-926.	2.1	9
113	Convenient synthesis of 2-thionaphthylmethyl isocyanide: A useful reagent for methyl isocyanide transfer. <i>Tetrahedron Letters</i> , 1988, 29, 1435-1436.	1.4	9
114	Molecular-dynamics study of two-dimensional Lennard-Jones fluids. <i>Physical Review A</i> , 1992, 45, 5793-5797.	2.5	9
115	Electron microscopy and diffraction of ordering in an off-stoichiometric Ni <sub>1-x</sub> W alloy. <i>Scripta Metallurgica Et Materialia</i> , 1992, 27, 1337-1342.	1.0	9
116	Twinning of quasicrystals and related structures. <i>Philosophical Magazine Letters</i> , 1993, 67, 301-305.	1.2	9
117	A transmission electron microscopic study of icosahedral twins in Al-Cu-Fe alloy. <i>Acta Metallurgica Et Materialia</i> , 1995, 43, 3553-3562.	1.8	9
118	Binary collision contribution to transverse current correlation function of dense fluids. <i>Journal of Chemical Physics</i> , 1998, 108, 2919-2929.	3.0	9
119	Glass-forming ability and stability of ternary Ni-early transition metal (Ti/Zr/Hf) alloys. <i>Acta Materialia</i> , 2006, 54, 3637-3646.	7.9	9
120	Observations of two-leaved spirals in ruthenium. <i>Philosophical Magazine and Journal</i> , 1966, 14, 1309-1311.	1.7	8
121	Novel thermolytic transformations of n-benzoyl 2-aza 3-oxa bicyclo(2.2.1)hept-5-ene and n-benzoyl 2-aza 3-oxa bicyclo(2.2.1)heptane. <i>Tetrahedron</i> , 1981, 37, 637-641.	1.9	8
122	Crystallization behaviour of Metglas 2826 MB (Fe <sub>40</sub> Ni <sub>38</sub> Mo <sub>4</sub> B <sub>18</sub> ). <i>Bulletin of Materials Science</i> , 1987, 9, 207-217.	1.7	8
123	Dynamical Structure Factor of Fluid Ar <sub>36</sub> . <i>Physics and Chemistry of Liquids</i> , 1990, 22, 75-88.	1.2	8
124	On the indexing and reciprocal space of icosahedral quasicrystal. <i>Journal of Materials Research</i> , 1999, 14, 4182-4187.	2.6	8
125	Magnetic Field Effects on Diffusion In 2-Dimensional Electron Fluid. <i>Physics and Chemistry of Liquids</i> , 2002, 40, 673-684.	1.2	8
126	Synthesis and devitrification of glassy Zr <sub>40</sub> Ti <sub>40</sub> Ni and Zr <sub>40</sub> Hf <sub>40</sub> Ni ternary alloys. <i>Journal of Non-Crystalline Solids</i> , 2004, 334-335, 270-275.	3.1	8

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127	A symmetrical indexing scheme for decagonal quasicrystals analogous to Miller's Bravais indexing of hexagonal crystals. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2007, 63, 1-10.	0.3	8
128	$\beta$ -Unsaturated nitroso system. <i>Tetrahedron</i> , 1977, 33, 2415-2421.	1.9	7
129	A versatile synthon from castor oil: a direct, practical and novel route to 9,11-etheno-PGH. <i>Tetrahedron Letters</i> , 1978, 19, 1851-1852.	1.4	7
130	Memory functions for kinetic theory models of density fluctuations in fluids. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1980, 100, 127-139.	2.6	7
131	On the mechanism and synthetic applications of the thermal and alkaline degradation of c-18 castor oil. <i>Tetrahedron</i> , 1984, 40, 1167-1178.	1.9	7
132	Dynamical properties of the Lorentz gas. <i>Physical Review A</i> , 1987, 36, 809-815.	2.5	7
133	Decagonal quasicrystals. <i>Phase Transitions</i> , 1989, 16, 67-83.	1.3	7
134	Indexing of decagonal quasicrystals I. The $T_8$ -phase. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1996, 74, 821-840.	0.6	7
135	A robust hybrid peptide crystal formed with weak hydrogen bonds. <i>Biopolymers</i> , 2006, 84, 502-507.	2.4	7
136	On the transformation of tetraphenylcyclopentadienone to pentaphenylpyrrole in boiling nitrobenzene. <i>Tetrahedron Letters</i> , 1971, 12, 1855-1858.	1.4	6
137	Field-ion microscopic study of antiparallel twins in Ni <sub>4</sub> Mo. <i>Materials Research Bulletin</i> , 1972, 7, 13-17.	5.2	6
138	Synthesis of 3,5-Dioxo-2-oxatricyclo[4.2.1.0 <sup>4,8</sup> ]-nonane (2,4-Dioxo-5-oxabrendane). <i>Synthesis</i> , 1976, 1976, 620-621.	2.3	6
139	Binary collisions in fluids: II: velocity auto correlation function. <i>Canadian Journal of Physics</i> , 1983, 61, 1655-1659.	1.1	6
140	Frequency sum rules of correlation functions in dense gases. II. Applications. <i>Physical Review A</i> , 1985, 31, 966-969.	2.5	6
141	L-methionine oxidation : novel and unanticipated transformations with 4-t butyl iodoxybenzene. <i>Tetrahedron</i> , 1987, 43, 5363-5366.	1.9	6
142	Electron diffraction studies of variable periodicity in decagonal quasicrystals in aluminium-cobalt alloys. <i>Phase Transitions</i> , 1989, 16, 59-65.	1.3	6
143	Electron diffraction patterns from the Mn decagonal phase. <i>Philosophical Magazine Letters</i> , 1989, 60, 261-267.	1.2	6
144	On the influence of tricritical point on the microstructural evolution in Fe-Ge system. <i>Scripta Metallurgica Et Materialia</i> , 1992, 26, 467-472.	1.0	6

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145	Localization and glass transition in two-dimensional liquids. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 1299-1308.	1.8	6
146	Solid-state transformations involving quasicrystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1995, 32, 137-144.	3.5	6
147	Ordering and twinning in quasicrystals. <i>Progress in Materials Science</i> , 1997, 42, 393-407.	32.8	6
148	Formation of amorphous and icosahedral phases in Ti-Zr-Hf-LTM (LTM=Ni, Pd or Pt) alloys. <i>Scripta Materialia</i> , 2005, 53, 213-216.	5.2	6
149	Contrast from stacking faults in field-ion micrographs of hcp metals. <i>Surface Science</i> , 1970, 20, 429-433.	1.9	5
150	Nitroethylene: A Novel Synthon for N-(2-Nitroethyl)-amino Compounds. <i>Synthesis</i> , 1980, 1980, 884-886.	2.3	5
151	Binary collisions in fluids: I: single particle density correlation function. <i>Canadian Journal of Physics</i> , 1983, 61, 926-931.	1.1	5
152	Thermodynamics of glass formation in pure metals. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 1995, 19, 297-304.	1.6	5
153	BCC derivative structures and their relation to rational approximants to quasicrystals. <i>Ferroelectrics</i> , 2001, 250, 201-206.	0.6	5
154	Unusual cyclo-tetra and hexa peptidation of bis-boc-cystine with cystine-di-OMe: one step preparation of the novel 32- and 48-membered cyclotetracystine and cyclohexacystine. <i>Chemical Communications</i> , 2002, , 314-315.	4.1	5
155	Orthorhombic rational approximants for decagonal quasicrystals. <i>Bulletin of Materials Science</i> , 2003, 26, 627-631.	1.7	5
156	Effect of magnetic field on collective modes of two-dimensional electron liquids: A molecular dynamics study. <i>Physical Review B</i> , 2005, 71, .	3.2	5
157	Coincidence-site lattices as rational approximants to irrational twins. <i>Journal of Materials Science</i> , 2006, 41, 7696-7703.	3.7	5
158	Comments on "Field-ion microscope observations of stacking faults in tungsten". <i>Journal of the Less Common Metals</i> , 1966, 10, 368-370.	0.8	4
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