

# S Ranganathan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11425285/publications.pdf>

Version: 2024-02-01

222  
papers

5,219  
citations

147726

31  
h-index

106281

65  
g-index

246  
all docs

246  
docs citations

246  
times ranked

2703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting Quasicrystals for the Synthesis of 2D Metals. Transactions of the Indian Institute of Metals, 2022, 75, 1093.	0.7	2
2	Alloy design and phase selection rules in high-entropy alloys. , 2019, , 51-79.		2
3	Synthesis and processing. , 2019, , 103-117.		2
4	SILICON ACCUMULATION AND ITS INFLUENCE ON SOME OF THE LEAF CHARACTERISTICS, MEMBRANE STABILITY AND YIELD IN RICE HYBRIDS AND VARIETIES GROWN UNDER AEROBIC CONDITIONS. Journal of Plant Nutrition, 2013, 36, 963-975.	0.9	0
5	The Novel Formation of Ordered and Varied Silica-Imidazole Complexes from Silicic Acid. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1835-1843.	0.8	3
6	Mass dependence of mutual diffusion coefficient: computer simulation study. Physics and Chemistry of Liquids, 2011, 49, 206-218.	0.4	1
7	Evolution of texture and grain boundary microstructure in two-phase ( $\beta+\beta_2$ ) brass during recrystallization. Philosophical Magazine, 2011, 91, 4089-4108.	0.7	16
8	Effect of mode of rolling on development of texture and microstructure in two-phase ( $\beta+\beta_2$ ) brass. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4582-4592.	2.6	35
9	Triply bridged (1,3,5) cyclophanes from cystine and lanthionine linkers—a comparison. Tetrahedron, 2010, 66, 3923-3929.	1.0	1
10	Glass forming ability and stability: Ternary Cu bearing Ti, Zr, Hf alloys. Intermetallics, 2009, 17, 128-135.	1.8	20
11	Glass-forming ability and stability of ternary Ni-early transition metal (Ti/Zr/Hf) alloys. Acta Materialia, 2008, 56, 1899-1907.	3.8	12
12	Glass forming ability: Miedema approach to (Zr, Ti, Hf)–(Cu, Ni) binary and ternary alloys. Journal of Alloys and Compounds, 2008, 465, 163-172.	2.8	91
13	Parallelohedra and topological transitions in cellular structures. Philosophical Magazine Letters, 2008, 88, 703-713.	0.5	0
14	Diffusion and phase diagram of an electron-hole bilayer: A molecular dynamics study. Physical Review B, 2007, 75, .	1.1	13
15	A symmetrical indexing scheme for decagonal quasicrystals analogous to Miller’s Bravais indexing of hexagonal crystals. Acta Crystallographica Section A: Foundations and Advances, 2007, 63, 1-10.	0.3	8
16	Phase transformations in the rapidly solidified Ti <sub>40</sub> Zr <sub>20</sub> Hf <sub>20</sub> Pd <sub>20</sub> alloy. Scripta Materialia, 2007, 57, 631-634.	2.6	2
17	Nanocrystalline TiO <sub>2</sub> by three different synthetic approaches: A comparison. Bulletin of Materials Science, 2007, 30, 263-269.	0.8	27
18	An application of Pettifor structure maps for the identification of pseudo-binary quasicrystalline intermetallics. Acta Materialia, 2006, 54, 3647-3656.	3.8	32

#	ARTICLE	IF	CITATIONS
19	Class-forming ability and stability of ternary Ni-early transition metal (Ti/Zr/Hf) alloys. <i>Acta Materialia</i> , 2006, 54, 3637-3646.	3.8	9
20	Effects of silicon sources on its deposition, chlorophyll content, and disease and pest resistance in rice. <i>Biologia Plantarum</i> , 2006, 50, 713-716.	1.9	77
21	Advanced Materials and Characterization: Proceedings of the Brandon Symposium. <i>Journal of Materials Science</i> , 2006, 41, 7667-7668.	1.7	1
22	Coincidence-site lattices as rational approximants to irrational twins. <i>Journal of Materials Science</i> , 2006, 41, 7696-7703.	1.7	5
23	A robust hybrid peptide crystal formed with weak hydrogen bonds. <i>Biopolymers</i> , 2006, 84, 502-507.	1.2	7
24	The heat current density correlation function: sum rules and thermal conductivity. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 1395-1401.	0.7	4
25	Formation ranges of icosahedral, amorphous and crystalline phases in rapidly solidified Ti-Zr-Hf-Ni alloys. <i>Acta Materialia</i> , 2005, 53, 759-764.	3.8	25
26	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.	2.6	6
27	Effect of magnetic field on collective modes of two-dimensional electron liquids: A molecular dynamics study. <i>Physical Review B</i> , 2005, 71, .	1.1	5
28	Phase composition and transformation behavior of readily solidified Al-Ni-Fe alloys in $\sqrt{3}$ -Al-decagonal phase region. <i>Journal of Alloys and Compounds</i> , 2005, 399, 132-138.	2.8	19
29	Glassy and icosahedral phases in rapidly solidified Ti-Zr-Hf (Fe, Co or Ni) alloys. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 2547-2551.	1.5	4
30	Role of many-body correlations in dynamics of liquids. <i>Physical Review E</i> , 2004, 70, 051202.	0.8	1
31	Vacancy ordered phases in Al-Cu-Ni as average lattices. <i>Journal of Non-Crystalline Solids</i> , 2004, 334-335, 114-116.	1.5	3
32	A new basis for the classification of quasicrystals. <i>Journal of Non-Crystalline Solids</i> , 2004, 334-335, 184-189.	1.5	12
33	Synthesis and devitrification of glassy Zr-Ti-Ni and Zr-Hf-Ni ternary alloys. <i>Journal of Non-Crystalline Solids</i> , 2004, 334-335, 270-275.	1.5	8
34	Orthorhombic rational approximants for decagonal quasicrystals. <i>Bulletin of Materials Science</i> , 2003, 26, 627-631.	0.8	5
35	Bulk metallic glasses: A new class of engineering materials. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2003, 28, 783-798.	0.8	50
36	MICROSTRUCTURAL DEPENDENCE OF MECHANICAL PROPERTIES IN BULK METALLIC GLASSES AND THEIR COMPOSITES. , 2003, , 199-210.		1

#	ARTICLE	IF	CITATIONS
37	Molecular dynamics study of a bilayer electron gas: Single particle properties. Physical Review E, 2003, 67, 041201.	0.8	3
38	Binary and multiparticle contributions to the velocity autocorrelation function. Physical Review E, 2003, 68, 021202.	0.8	4
39	Diffusion of One-Component Plasma in a Magnetic Field - Molecular Dynamics Study. Physics and Chemistry of Liquids, 2003, 41, 123-132.	0.4	10
40	Molecular dynamics study of diffusion in a bilayer electron gas. Physical Review E, 2002, 65, 051203.	0.8	10
41	Frank's 'cubic' hexagonal phase: An intermetallic cluster compound as an example. Philosophical Magazine Letters, 2002, 82, 13-19.	0.5	14
42	Magnetic Field Effects on Diffusion In 2-Dimensional Electron Fluid. Physics and Chemistry of Liquids, 2002, 40, 673-684.	0.4	8
43	Nanocrystallisation and Nanoquasicrystallisation in (Ti/Hf)-Zr-(Ni/Cu) Ternary Alloys. Materials Research Society Symposia Proceedings, 2002, 754, 1.	0.1	0
44	Stacking sequences and symmetry properties of trigonal vacancy-ordered phases ( $\bar{1}$ , phases). Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2002, 82, 255-268.	0.7	0
45	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. Chemical Communications, 2002, , 314-315.	2.2	5
46	Exact Algorithm for Dynamics of Charged Particles in a Magnetic Field. Physics and Chemistry of Liquids, 2002, 40, 527-538.	0.4	4
47	BCC derivative structures and their relation to rational approximants to quasicrystals. Ferroelectrics, 2001, 250, 201-206.	0.3	5
48	Nitrogen redistribution, microstructure, and elastic constant evaluation using ultrasonics in aged 316LN stainless steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2001, 32, 2959-2968.	1.1	16
49	Initial crystallization processes of Hf-Cu-M (M=Pt, Pd or Ag) amorphous alloys. Acta Materialia, 2001, 49, 1903-1908.	3.8	17
50	Rational approximant structures to decagonal quasicrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 888-891.	2.6	2
51	Microstructural characterization of rapidly solidified Al-Fe-Si, Al-V-Si, and Al-Fe-V-Si alloys. Journal of Materials Research, 2001, 16, 2103-2117.	1.2	19
52	Nanocrystallization of the $\sqrt{3}$ Ti <sub>2</sub> Ni-Type Phase in Hf-Based Metallic Glasses. Journal of Nanoscience and Nanotechnology, 2001, 1, 185-190.	0.9	17
53	Ewald sum for electronic bilayer systems. Physical Review E, 2001, 63, 056703.	0.8	11
54	Morphology and substructure of lath martensites in dilute Zr-Nb alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 288, 101-110.	2.6	36

#	ARTICLE	IF	CITATIONS
55	On the relationship between cubic crystalline coincidence site lattices and quasiperiodic superlattices. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 294-296, 429-433.	2.6	4
56	On the indexing and reciprocal space of icosahedral quasicrystal. <i>Journal of Materials Research</i> , 1999, 14, 4182-4187.	1.2	8
57	A Molecular Dynamics Study of Liquid Cesium Along Vapour Pressure Curve. <i>Physics and Chemistry of Liquids</i> , 1999, 37, 237-249.	0.4	0
58	Synthesis of mesoporous matemals based on titanium(iv)oxide and titanium nitride. <i>Scripta Materialia</i> , 1999, 12, 1063-1069.	0.5	13
59	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.	1.1	30
60	Clustering and ordering of nitrogen in nuclear grade 316LN austenitic stainless steel. <i>Journal of Nuclear Materials</i> , 1998, 254, 1-8.	1.3	30
61	Novel materials synthesis by mechanical alloying/milling. <i>International Materials Reviews</i> , 1998, 43, 101-141.	9.4	553
62	Binary collision contribution to the longitudinal current correlation function of dense fluids: Numerical results. <i>Physical Review E</i> , 1998, 57, 6195-6197.	0.8	4
63	Binary collision contribution to transverse current correlation function of dense fluids. <i>Journal of Chemical Physics</i> , 1998, 108, 2919-2929.	1.2	9
64	Interfaces In Quasicrystalline Systems. <i>Materials Research Society Symposia Proceedings</i> , 1998, 553, 209.	0.1	0
65	Novel materials synthesis by mechanical alloying/milling. <i>International Materials Reviews</i> , 1998, 43, 101-141.	9.4	61
66	Binary collision contribution to the longitudinal current correlation function of dense fluids. <i>Physical Review E</i> , 1997, 55, 1550-1557.	0.8	10
67	Metastable Microstructures in Rapidly Solidified Ni Rich TiNi Alloys. <i>Materials Transactions, JIM</i> , 1997, 38, 406-412.	0.9	1
68	Quasicrystalline phases and their approximants in AlMnZn alloys. <i>Acta Materialia</i> , 1997, 45, 5327-5336.	3.8	19
69	Studies of interfaces in Al <sub>65</sub> Cu <sub>20</sub> Fe <sub>15</sub> . <i>Bulletin of Materials Science</i> , 1997, 20, 519-523.	0.8	2
70	Plate-shaped transformation products in zirconium-base alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1997, 28, 2201-2216.	1.1	30
71	Twinning of quasicrystals and related crystals. <i>Progress in Crystal Growth and Characterization of Materials</i> , 1997, 34, 251-262.	1.8	1
72	Ordering and twinning in quasicrystals. <i>Progress in Materials Science</i> , 1997, 42, 393-407.	16.0	6

#	ARTICLE	IF	CITATIONS
73	Decagonal quasicrystals. <i>Progress in Materials Science</i> , 1997, 41, 195-240.	16.0	40
74	A high-resolution transmission electron microscopy study of the precipitation process in a dilute Ti-N alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1996, 27, 2966-2977.	1.1	2
75	Indexing of decagonal quasicrystals II. A comparison of zone-axis pattern maps of decagonal phases of different periodicities. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1996, 74, 841-859.	0.7	2
76	Ordering transformation in icosahedral quasicrystals and related crystalline phases. <i>Bulletin of Materials Science</i> , 1996, 19, 717-723.	0.8	4
77	Quasicrystals, crystals and multiple twins in rapidly solidified AlCrSi, AlMnSi and AlMnCrSi alloys. <i>Acta Materialia</i> , 1996, 44, 2935-2946.	3.8	29
78	Indexing of decagonal quasicrystals I. The $T_{8\langle 2 \rangle}$ -phase. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1996, 74, 821-840.	0.7	7
79	Longitudinal and bulk viscosities of Lennard-Jones fluids. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 10847-10861.	0.7	14
80	Correlation of resistivity and microstructure in dilute titanium-nitrogen alloy. <i>Materials Science and Technology</i> , 1995, 11, 729-733.	0.8	1
81	Differences in the glass-forming ability of rapidly solidified and mechanically alloyed Ti-Ni-Cu alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1995, 196, 237-241.	2.6	11
82	Solid-state transformations involving quasicrystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1995, 32, 137-144.	1.7	6
83	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.	1.1	33
84	Collective Density Excitations in Liquid Cesium. <i>Physics and Chemistry of Liquids</i> , 1995, 30, 95-102.	0.4	1
85	Self Diffusion Coefficient and Force Auto-Correlation Function. <i>Physics and Chemistry of Liquids</i> , 1995, 29, 59-68.	0.4	0
86	Milling maps and amorphization during mechanical alloying. <i>Acta Metallurgica Et Materialia</i> , 1995, 43, 2443-2450.	1.9	98
87	Electron microscopy and diffraction of ordering in Ni <sub>3</sub> -W alloys. <i>Acta Metallurgica Et Materialia</i> , 1995, 43, 2287-2302.	1.9	17
88	A transmission electron microscopic study of icosahedral twins I. Rapidly solidified Al-Mn-Fe alloys. <i>Acta Metallurgica Et Materialia</i> , 1995, 43, 3539-3551.	1.9	22
89	A transmission electron microscopic study of icosahedral twins II. A rapidly solidified Al-Cu-Fe alloy. <i>Acta Metallurgica Et Materialia</i> , 1995, 43, 3553-3562.	1.9	9
90	Thermodynamics of glass formation in pure metals. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 1995, 19, 297-304.	0.7	5

#	ARTICLE	IF	CITATIONS
91	Localization and glass transition in two-dimensional liquids. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 1299-1308.	0.7	6
92	Diffusion in liquid alkali metals. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 1309-1318.	0.7	16
93	Binary-collision contributions to atomic motions in fluids. <i>Physical Review E</i> , 1994, 50, 1135-1143.	0.8	18
94	A study of the glass-forming range in the ternary Ti–Ni–Al system by mechanical alloying. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994, 179-180, 168-172.	2.6	27
95	Rational approximants to the decagonal phase in Al–Mn–M (M = Ni, Cu, Zn) systems. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994, 181-182, 754-757.	2.6	15
96	An electron diffraction study of quasicrystals in Ti-37 at% Mn and Ti-24 at% Mn-13 at% Fe alloys. <i>Bulletin of Materials Science</i> , 1994, 17, 795-810.	0.8	2
97	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
98	A comparative study of zone axis pattern maps from decagonal phases with varying periodicity. <i>Scripta Metallurgica Et Materialia</i> , 1994, 30, 271-276.	1.0	4
99	Quasicrystalline and crystalline phases and their twins in rapidly solidified Al–Mn–Fe alloys. <i>Journal of Non-Crystalline Solids</i> , 1993, 153-154, 86-91.	1.5	12
100	Self accommodation morphology of martensite variants in Zr–2.5wt%Nb alloy. <i>Acta Metallurgica Et Materialia</i> , 1993, 41, 3445-3454.	1.9	59
101	Nanocrystalline phase formation and extension of solid solubility by mechanical alloying in Ti-based systems. <i>Scripta Materialia</i> , 1993, 3, 459-467.	0.5	19
102	Two-dimensional compressed liquid: a molecular dynamics study. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 387-396.	0.7	4
103	Twinning of quasicrystals and related structures. <i>Philosophical Magazine Letters</i> , 1993, 67, 301-305.	0.5	9
104	Molecular-dynamics study of two-dimensional Lennard-Jones fluids. <i>Physical Review A</i> , 1992, 45, 5793-5797.	1.0	9
105	Freezing transition of two-dimensional Lennard-Jones fluids. <i>Physical Review A</i> , 1992, 45, 5789-5792.	1.0	28
106	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
107	Electron microscopy and diffraction of ordering in an off-stoichiometric Ni–W alloy. <i>Scripta Metallurgica Et Materialia</i> , 1992, 27, 1337-1342.	1.0	9
108	A novel microstructure in a rapidly solidified Al <sub>80</sub> Fe <sub>10</sub> V <sub>4</sub> Si <sub>6</sub> alloy. <i>Scripta Metallurgica Et Materialia</i> , 1992, 27, 1241-1245.	1.0	13

#	ARTICLE	IF	CITATIONS
109	Order hardening in nickel-molybdenum and nickel-tungsten alloys. Journal of Materials Science, 1992, 27, 1599-1607.	1.7	12
110	Microstructural development in microsecond pulsed laser melted polycrystalline nickel. Journal of Materials Science, 1992, 27, 1375-1379.	1.7	0
111	Electron microscopy and diffraction of ordering in a Ni-25wt.%Mo alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1992, 150, 75-85.	2.6	14
112	Solid state amorphization in binary Ti-Ni, Ti-Cu and ternary Ti-Ni-Cu system by mechanical alloying. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1992, 149, 231-240.	2.6	103
113	Icosahedral Quasicrystals. , 1992, , 234-262.		1
114	Irrational twins in melt spun Al-Mn-Fe-Si alloy. Scripta Metallurgica Et Materialia, 1991, 25, 1477-1482.	1.0	12
115	Rational approximant structures and phason strain in icosahedral quasicrystalline phases. Acta Metallurgica Et Materialia, 1991, 39, 1151-1159.	1.9	39
116	On the variety of electron diffraction patterns from a face-centred icosahedral quasicrystal. Scripta Metallurgica Et Materialia, 1991, 25, 409-412.	1.0	17
117	Quasicrystals. Annual Review of Materials Research, 1991, 21, 437-462.	5.5	33
118	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.	0.7	25
119	Microstructural and kinetic aspects of devitrification of Fe <sub>40</sub> Ni <sub>40</sub> B <sub>20</sub> metallic glass. Journal of Materials Science, 1990, 25, 4667-4677.	1.7	15
120	Theory of transport coefficients of simple fluids. Journal of Physics Condensed Matter, 1990, 2, 5891-5905.	0.7	25
121	Dynamical Structure Factor of Fluid Ar <sub>36</sub> . Physics and Chemistry of Liquids, 1990, 22, 75-88.	0.4	8
122	Synthesis of amorphous phase in Ti-Ni-Cu system by mechanical alloying. Scripta Metallurgica Et Materialia, 1990, 24, 1819-1824.	1.0	21
123	Rapidly solidified Al-Cr alloys: Crystalline and quasicrystalline phases. Journal of Materials Research, 1989, 4, 539-551.	1.2	23
124	Electron diffraction studies of variable periodicity in decagonal quasicrystals in aluminium-cobalt alloys. Phase Transitions, 1989, 16, 59-65.	0.6	6
125	Decagonal quasicrystals. Phase Transitions, 1989, 16, 67-83.	0.6	7
126	Electron microscopy and diffraction of icosahedral twins in an aluminium-manganese alloy. Philosophical Magazine Letters, 1989, 59, 257-263.	0.5	19



#	ARTICLE	IF	CITATIONS
127	Energy current density correlation function. II. Thermal conductivity. Journal of Physics Condensed Matter, 1989, 1, 6193-6202.	0.7	12
128	Energy current density correlation function. I. Frequency sum rules. Journal of Physics Condensed Matter, 1989, 1, 6181-6192.	0.7	12
129	Synthesis and structural aspects of quasicrystals in Mg-Al-Ag system: Mg <sub>4</sub> Al <sub>6</sub> Ag. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1989, 20, 805-812.	1.4	15
130	On the resolidification behaviour of microsecond pulsed-laser-melted pool of bismuth. Journal of Crystal Growth, 1989, 96, 628-636.	0.7	4
131	Activities of manganese in Co-Mn-Cr alloys at 1323 K. Scripta Metallurgica, 1989, 23, 1049-1052.	1.2	1
132	Evolution of superlattice order in Al-Mn quasicrystals and its relation to face-centred icosahedral quasicrystals. Philosophical Magazine Letters, 1989, 60, 207-211.	0.5	44
133	Electron diffraction patterns from the Al-Mn decagonal phase. Philosophical Magazine Letters, 1989, 60, 261-267.	0.5	6
134	Spontaneous cyclization of a chain shortened lysine analog. Tetrahedron Letters, 1988, 29, 3111-3114.	0.7	10
135	Convenient synthesis of 2-thionaphthylmethyl isocyanide: A useful reagent for methyl isocyanide transfer. Tetrahedron Letters, 1988, 29, 1435-1436.	0.7	9
136	Microstructural study of rapidly solidified titanium eutectoid alloys. Materials Science and Engineering, 1988, 98, 251-255.	0.1	10
137	Thermodynamics of the Cr-Mn system using an isopiestic technique. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1988, 19, 649-654.	0.5	4
138	Thermodynamic measurements of b.c.c. Cr-Mn solid solutions at 1373 K. Scripta Metallurgica, 1988, 22, 13-16.	1.2	3
139	Binary Collision Effects in Lorentz Gases. Physics and Chemistry of Liquids, 1988, 18, 235-240.	0.4	0
140	The shear viscosity of Lennard-Jones fluids. Journal of Physics C: Solid State Physics, 1988, 21, 3607-3617.	1.5	32
141	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.	0.8	55
142	Effect of Molybdenum and Silicon on the Electrochemical Corrosion Behavior of FeNiB Metallic Glasses. Corrosion, 1988, 44, 263-270.	0.5	10
143	On the short-range order in Al-Mn quasicrystals during low-temperature ageing. Philosophical Magazine Letters, 1987, 56, 121-127.	0.5	70
144	Self-diffusion coefficients of Lennard-Jones fluids. Journal of Physics C: Solid State Physics, 1987, 20, 5749-5757.	1.5	43

#	ARTICLE	IF	CITATIONS
145	A comparative electron microscopic study of Al-based and Mg-based quasicrystals. Journal of Materials Research, 1987, 2, 299-304.	1.2	37
146	Dynamical properties of the Lorentz gas. Physical Review A, 1987, 36, 809-815.	1.0	7
147	Electron microscopy and diffraction of icosahedral and decagonal quasicrystals in aluminium-manganese alloys. Journal of Microscopy, 1987, 146, 287-302.	0.8	58
148	Vacancy ordered phases and one-dimensional quasiperiodicity. Acta Metallurgica, 1987, 35, 727-733.	2.1	92
149	L-methionine oxidation : novel and unanticipated transformations with 4-t butyl iodoxybenzene. Tetrahedron, 1987, 43, 5363-5366.	1.0	6
150	Crystallization behaviour of Metglas 2826 MB (Fe <sub>40</sub> Ni <sub>38</sub> Mo <sub>4</sub> B <sub>18</sub> ). Bulletin of Materials Science, 1987, 9, 207-217.	0.8	8
151	Alloy oxide equilibria in the Cr-Mn-O system. Bulletin of Materials Science, 1987, 9, 149-158.	0.8	10
152	A practical and convenient synthesis of the nitroethylene transfer reagent, 2-nitroethyl phenyl sulfoxide. Tetrahedron Letters, 1987, 28, 2893-2894.	0.7	10
153	An electron microscopic study of quasicrystals in a quaternary alloy : Mg <sub>32</sub> (Al, Zn, Cu) <sub>49</sub> . Scripta Metallurgica, 1986, 20, 525-528.	1.2	47
154	4-tbutyl iodoxybenzene : an effective ozone equivalent. Tetrahedron Letters, 1985, 26, 4955-4956.	0.7	10
155	Frequency sum rules of correlation functions in dense gases. II. Applications. Physical Review A, 1985, 31, 966-969.	1.0	6
156	Frequency sum rules of correlation functions in dense gases. I. Molecular-dynamics results. Physical Review A, 1985, 31, 960-965.	1.0	15
157	Electron microscopy of quasi-crystals in rapidly solidified Al-14% Mn alloys. Scripta Metallurgica, 1985, 19, 767-771.	1.2	133
158	On the variety of electron diffraction patterns from quasicrystals. Scripta Metallurgica, 1985, 19, 1331-1334.	1.2	44
159	Density fluctuations in dense krypton gas. Journal of Physics C: Solid State Physics, 1984, 17, 2833-2837.	1.5	2
160	Binary-collision effects on density fluctuations of dense gases. Physical Review A, 1984, 29, 972-974.	1.0	4
161	Dynamical structure factor of dense gases. Physical Review A, 1984, 29, 3320-3326.	1.0	4
162	On the mechanism and synthetic applications of the thermal and alkaline degradation of c-18 castor oil. Tetrahedron, 1984, 40, 1167-1178.	1.0	7

#	ARTICLE	IF	CITATIONS
163	Iodoxybenzene. A remarkably close ozone equivalent. Tetrahedron, 1984, 40, 3145-3151.	1.0	16
164	Dynamical properties of a two-dimensional Coulomb fluid. Journal of Physics C: Solid State Physics, 1984, 17, 2537-2544.	1.5	3
165	Binary collisions in fluids: II: velocity auto correlation function. Canadian Journal of Physics, 1983, 61, 1655-1659.	0.4	6
166	Binary collisions in fluids: I: single particle density correlation function. Canadian Journal of Physics, 1983, 61, 926-931.	0.4	5
167	A Practical, Convenient, and Highly Stereospecific Synthesis of 1-Acetoxy (E) 9, 11-Dodecadiene. The Insect Sex Pheromone of Bollworm Moth. Synthetic Communications, 1982, 12, 921-926.	1.1	9
168	Synthesis of the Insect Sex Pheromone of Achroia Grisellavia the Novel Synthon, 1-Tetrahydro-Pyranyloxy Dodec 11-Yne. Synthetic Communications, 1982, 12, 959-966.	1.1	10
169	Nitroethylene nitroethylation of amines. Tetrahedron Letters, 1982, 23, 2789-2792.	0.7	12
170	On the Mechanism of F.C.C. $\rightarrow$ H.C.P. Transformation. Physica Status Solidi A, 1982, 73, 243-248.	1.7	11
171	A CHEMICAL AND THERMOCHEMICAL STUDY OF NON-OBSERVED SYMMETRY ALLOWED REACTIONS. , 1982, , 509-522.		0
172	THE STRUCTURE OF GRAIN BOUNDARIES. , 1982, , 373-388.		0
173	The three activation energies with isothermal transformations: applications to metallic glasses. Journal of Materials Science, 1981, 16, 2401-2404.	1.7	330
174	The preparation and transformations of 2-aza-3-oxabicyclo [2.2.1] heptene hydrochloride. Tetrahedron, 1981, 37, 629-635.	1.0	23
175	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. Tetrahedron, 1981, 37, 637-641.	1.0	8
176	A chemical and thermochemical study of non-observed symmetry allowed reactions. Tetrahedron, 1981, 37, 4171-4184.	1.0	11
177	The synthesis of PGF $_{1\pm}$ by re-structuring of castor oil. Tetrahedron, 1980, 36, 1869-1875.	1.0	14
178	Spinodal decomposition in Co-3wt% Ti-1wt% Fe and Co-3 wt% Ti-2 wt% Fe alloys. Journal of Materials Science, 1980, 15, 2010-2016.	1.7	12
179	Memory functions for kinetic theory models of density fluctuations in fluids. Physica A: Statistical Mechanics and Its Applications, 1980, 100, 127-139.	1.2	7
180	Production and characterisation of amorphous alloys at varanasi. Bulletin of Materials Science, 1980, 2, 17-29.	0.8	4

#	ARTICLE	IF	CITATIONS
181	Nitroethylene: A Novel Synthone for N-(2-Nitroethyl)-amino Compounds. <i>Synthesis</i> , 1980, 1980, 884-886.	1.2	5
182	Binary collision approximations to space-time memory functions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1979, 74, 180-182.	0.9	2
183	Density expansion of the correlation function of a hard sphere gas. <i>Canadian Journal of Physics</i> , 1979, 57, 466-476.	0.4	2
184	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.	0.7	7
185	A novel stereochemical control. <i>Tetrahedron</i> , 1978, 34, 3129-3132.	1.0	11
186	Ketene Equivalents*. <i>Synthesis</i> , 1977, 1977, 289-296.	1.2	82
187	A Novel, Practical and Biogenetic-type Synthesis of a Rare Furanoid Fatty Acid from Castor Oil. <i>Synthesis</i> , 1977, 1977, 838-838.	1.2	15
188	1,2-Unsaturated nitroso system. <i>Tetrahedron</i> , 1977, 33, 2415-2421.	1.0	7
189	Field-ion microscopic observation of a twin boundary in iridium. <i>Materials Research Bulletin</i> , 1976, 11, 77-81.	2.7	3
190	A simple and convenient route to 11-desoxyprostaglandins. <i>Tetrahedron</i> , 1976, 32, 961-964.	1.0	21
191	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.	1.2	6
192	Fascinating problems in organic reaction mechanisms-VII. <i>Tetrahedron</i> , 1975, 31, 1391-1398.	1.0	11
193	An unanticipated, facile, regiospecific and stereospecific $\alpha$ $\beta$ prostanoic transformation. <i>Tetrahedron Letters</i> , 1975, 16, 1215-1216.	0.7	12
194	Computer simulation of field-ion images from interstitial alloys. <i>Surface Science</i> , 1975, 51, 441-450.	0.8	2
195	Fascinating problems in organic reaction mechanisms-VI. <i>Tetrahedron</i> , 1974, 30, 63-72.	1.0	15
196	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.	6.6	51
197	[2,3] [3,3]: the novel [2,3] sigmatropic rearrangement of oxime-o-allyl ethers. <i>Tetrahedron Letters</i> , 1973, 14, 3577-3578.	0.7	10
198	Fascinating problems in organic reaction mechanisms V: Pyrolysis of bromonitrobornane. <i>Tetrahedron Letters</i> , 1973, 14, 411-412.	0.7	3

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------

199			
-----	--	--	--

#	ARTICLE	IF	CITATIONS
217	Comments on "Field-ion microscope observations of stacking faults in tungsten". Journal of the Less Common Metals, 1966, 10, 368-370.	0.9	4
218	Field Ion Microscopic Observations of Dislocation Structures at Grain Boundaries. Journal of Applied Physics, 1966, 37, 4346-4350.	1.1	53
219	Observations of two-leaved spirals in ruthenium. Philosophical Magazine and Journal, 1966, 14, 1309-1311.	1.8	8
220	On the geometry of coincidence-site lattices. Acta Crystallographica, 1966, 21, 197-199.	0.5	352
221	The interpretation of field-ion micrographs: Streak contrast. Philosophical Magazine and Journal, 1965, 12, 841-854.	1.8	27
222	A field ion microscope study of atomic configuration at grain boundaries. Acta Metallurgica, 1964, 12, 813-821.	2.1	528