

# Paolo M. Ossi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/939982/publications.pdf>

Version: 2024-02-01

186  
papers

2,524  
citations

218662

26  
h-index

289230

40  
g-index

194  
all docs

194  
docs citations

194  
times ranked

2039  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sliding on snow of Aisi 301 stainless steel surfaces treated with ultra-short laser pulses. <i>Applied Surface Science Advances</i> , 2022, 7, 100194.	6.8	3
2	Raman Spectroscopy-Based Assessment of the Liquid Water Content in Snow. <i>Molecules</i> , 2022, 27, 626.	3.8	4
3	Sensing the Anti-Epileptic Drug Perampanel with Paper-Based Spinning SERS Substrates. <i>Molecules</i> , 2022, 27, 30.	3.8	4
4	UV Resonance Raman Spectroscopy of weakly hydrogen-bonded water in the liquid phase and on ice and snow surfaces. <i>Physical Chemistry Chemical Physics</i> , 2022, , .	2.8	0
5	Propagation in outdoor environments of aerosol droplets produced by breath and light cough. <i>Aerosol Science and Technology</i> , 2021, 55, 340-351.	3.1	12
6	Dynamic behaviour of miniature laser textured skis. <i>Surface Engineering</i> , 2020, 36, 1250-1260.	2.2	4
7	Nanoparticles Engineering by Pulsed Laser Ablation in Liquids: Concepts and Applications. <i>Nanomaterials</i> , 2020, 10, 2317.	4.1	140
8	A Raman and SERS study on the interactions of aza[5]helicene and aza[6]helicene with a nanostructured gold surface. <i>Vibrational Spectroscopy</i> , 2020, 111, 103180.	2.2	0
9	On the Optical Properties of Ag@Au Colloidal Alloys Pulsed Laser Ablated in Liquid: Experiments and Theory. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24930-24939.	3.1	10
10	Synthesis of Natural-Like Snow by Ultrasonic Nebulization of Water: Morphology and Raman Characterization. <i>Molecules</i> , 2020, 25, 4458.	3.8	3
11	The contribution of surfaces to the Raman spectrum of snow. <i>Applied Surface Science</i> , 2020, 515, 146029.	6.1	7
12	Field Study of Mass Balance, and Hydrology of the West Khangri Nup Glacier (Khumbu, Everest). <i>Water (Switzerland)</i> , 2020, 12, 433.	2.7	3
13	Nanostructured tungsten oxide using pulsed laser deposition for biosensing and environmental sensing applications. , 2019, , 363-384.		1
14	Laser-Synthesized SERS Substrates as Sensors toward Therapeutic Drug Monitoring. <i>Nanomaterials</i> , 2019, 9, 677.	4.1	21
15	Pulsed laser deposition of gold thin films with long-range spatial uniform SERS activity. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	12
16	Innovative metallic solutions for alpine ski bases. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018, 36, 01A108.	1.2	2
17	Protein-Metal Interactions Probed by SERS: Lysozyme on Nanostructured Gold Surface. <i>Plasmonics</i> , 2018, 13, 2117-2124.	3.4	10
18	Laser Synthesized Nanoparticles for Therapeutic Drug Monitoring. <i>Springer Series in Materials Science</i> , 2018, , 339-360.	0.6	2

#	ARTICLE	IF	CITATIONS
19	Functionalization of nanostructured gold substrates with chiral chromophores for SERS applications: The case of 5-azahelicene. <i>Chirality</i> , 2018, 30, 875-882.	2.6	8
20	Synthesis by picosecond laser ablation of ligand-free Ag and Au nanoparticles for SERS applications. <i>EPJ Web of Conferences</i> , 2018, 167, 05002.	0.3	2
21	SERS sensing of perampanel with nanostructured arrays of gold particles produced by pulsed laser ablation in water. <i>Medical Devices &amp; Sensors</i> , 2018, 1, e10003.	2.7	5
22	Laser tailored nanoparticle arrays to detect molecules at dilute concentration. <i>Applied Surface Science</i> , 2017, 396, 1866-1874.	6.1	9
23	Synthesis by pulsed laser ablation of 2D nanostructures for advanced biomedical sensing. <i>Journal of Instrumentation</i> , 2016, 11, C05006-C05006.	1.2	3
24	Functionalization of silicon nanowire arrays by silver nanoparticles for the laser desorption ionization mass spectrometry analysis of vegetable oils. <i>Journal of Mass Spectrometry</i> , 2016, 51, 849-856.	1.6	19
25	Decoration of silicon nanowires with silver nanoparticles for ultrasensitive surface enhanced Raman scattering. <i>Nanotechnology</i> , 2016, 27, 375603.	2.6	33
26	SERS detection and DFT calculation of 2-naphthalene thiol adsorbed on Ag and Au probes. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 545-555.	7.8	30
27	Characterization of surface graphitic electrodes made by excimer laser on CVD diamond. <i>Diamond and Related Materials</i> , 2016, 65, 137-143.	3.9	15
28	Direct laser deposition of nanostructured tungsten oxide for sensing applications. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 205101.	2.8	11
29	Au nanoparticle-based sensor for apomorphine detection in plasma. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 2224-2232.	2.8	12
30	On the role of the ablated mass on the propagation of a laser-generated plasma in an ambient gas. <i>Europhysics Letters</i> , 2015, 109, 25002.	2.0	14
31	Near-Field Optical Detection of Plasmon Resonance from Gold Nanoparticles: Theoretical and Experimental Evidence. <i>Plasmonics</i> , 2015, 10, 63-70.	3.4	5
32	Laser Controlled Synthesis of Noble Metal Nanoparticle Arrays for Low Concentration Molecule Recognition. <i>Micromachines</i> , 2014, 5, 1296-1309.	2.9	15
33	On the influence of the mass ablated by a laser pulse on thin film morphology and optical properties. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 137-142.	2.3	10
34	SERS activity of silver and gold nanostructured thin films deposited by pulsed laser ablation. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 347-351.	2.3	19
35	Laser-Mediated Nanoparticle Synthesis and Self-Assembling. <i>Springer Series in Materials Science</i> , 2014, , 175-212.	0.6	7
36	Generation of periodic structures on SiC upon laser plasma XUV/NIR radiations. <i>Laser and Particle Beams</i> , 2013, 31, 547-550.	1.0	1

#	ARTICLE	IF	CITATIONS
37	Growth Analysis of Pulsed Laser Ablated Films. Plasmonics, 2013, 8, 1707-1712.	3.4	10
38	Light Scattering Enhancement in Nanostructured Silver Film Composites. Journal of Physical Chemistry C, 2013, 117, 3497-3502.	3.1	14
39	Role of embedded carbon particles on the morphology, microstructure and transport properties of sintered ultra-high molecular weight polyethylene. Carbon, 2013, 65, 20-27.	10.3	5
40	The ZrCâ€“C eutectic structure and melting behaviour: A high-temperature radiance spectroscopy study. Journal of the European Ceramic Society, 2013, 33, 1349-1361.	5.7	20
41	Excimer laser-induced diamond graphitization for high-energy nuclear applications. Applied Physics B: Lasers and Optics, 2013, 113, 373-378.	2.2	4
42	Evolution of $\hat{1}^2$ -SiC in laser-generated plasmas. Applied Surface Science, 2013, 272, 19-24.	6.1	2
43	Raman spectroscopy of organic dyes adsorbed on pulsed laser deposited silver thin films. Applied Surface Science, 2013, 278, 259-264.	6.1	15
44	Au nanoparticle arrays produced by Pulsed Laser Deposition for Surface Enhanced Raman Spectroscopy. Applied Surface Science, 2012, 258, 9148-9152.	6.1	49
45	Structural changes in thin films of yttria-stabilized zirconia irradiated with uranium ions in the electronic stopping regime. Journal of Nuclear Materials, 2011, 416, 173-178.	2.7	1
46	Synthesis by pulsed laser ablation in Ar and SERS activity of silver thin films with controlled nanostructure. Laser Physics, 2011, 21, 818-822.	1.2	18
47	Noble metal nanoparticles produced by nanosecond laser ablation. Applied Physics A: Materials Science and Processing, 2011, 104, 829-837.	2.3	24
48	SERS activity of pulsed laser ablated silver thin films with controlled nanostructure. Journal of Raman Spectroscopy, 2011, 42, 1298-1304.	2.5	34
49	Ag and Au nanoparticles for SERS substrates produced by pulsed laser ablation. Crystal Research and Technology, 2011, 46, 836-840.	1.3	31
50	Sputtered Ge-on-Si heteroepitaxial pn junctions: Nanostructure, interface morphology and photoelectrical properties. Microelectronic Engineering, 2011, 88, 518-521.	2.4	4
51	Synthesis of Silver Nanoparticle Arrays for SERS Based Sensing. Lecture Notes in Electrical Engineering, 2011, , 137-143.	0.4	0
52	Nanostructure evolution in cluster-assembled WO <sub>x</sub> films synthesized by radio-frequency assisted laser ablation. Applied Physics A: Materials Science and Processing, 2010, 101, 325-331.	2.3	8
53	Structural modifications induced by swift heavy ions in thin films of yttria fully stabilized zirconia. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3132-3136.	1.4	3
54	Nanoporous cluster-assembled WO <sub>x</sub> films prepared by radio-frequency assisted laser ablation. Thin Solid Films, 2010, 518, 4493-4498.	1.8	3

#	ARTICLE	IF	CITATIONS
55	Time evolution of a laser-generated silver plasma expanding in a background gas. <i>Radiation Effects and Defects in Solids</i> , 2010, 165, 559-565.	1.2	4
56	Cluster Synthesis and Cluster-Assembled Film Deposition in Nanosecond Pulsed Laser Ablation. <i>Springer Series in Materials Science</i> , 2010, , 99-124.	0.6	3
57	Creating Nanostructures with Lasers. <i>Springer Series in Materials Science</i> , 2010, , 131-167.	0.6	3
58	Propagation of laser generated plasmas through inert gases. <i>Laser and Particle Beams</i> , 2010, 28, 53-59.	1.0	7
59	Ag nanocluster synthesis by laser ablation in Ar atmosphere: A plume dynamics analysis. <i>Laser and Particle Beams</i> , 2009, 27, 281-290.	1.0	44
60	Radio-frequency assisted pulsed laser deposition of nanostructured WO <sub>x</sub> films. <i>Applied Surface Science</i> , 2009, 255, 9699-9702.	6.1	12
61	Growth process of nanostructured silver films pulsed laser ablated in high-pressure inert gas. <i>Applied Surface Science</i> , 2009, 255, 9676-9679.	6.1	55
62	Heteroepitaxial sputtered Ge on Si (100): Nanostructure and interface morphology. <i>Europhysics Letters</i> , 2009, 88, 28005.	2.0	2
63	The controlled pulsed laser deposition of Ag nanoparticle arrays for surface enhanced Raman scattering. <i>Nanotechnology</i> , 2009, 20, 245606.	2.6	58
64	Cluster growth in an ablation plume propagating through a buffer gas. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 93, 645-650.	2.3	29
65	Pulsed laser deposition of boron nitride thin films. <i>Radiation Effects and Defects in Solids</i> , 2008, 163, 293-298.	1.2	16
66	Nanostructured silver thin films deposited by pulsed laser ablation. <i>Radiation Effects and Defects in Solids</i> , 2008, 163, 673-683.	1.2	12
67	Modelling the propagation of an ablation plume in a gas. <i>Radiation Effects and Defects in Solids</i> , 2008, 163, 497-503.	1.2	2
68	Sputtered Ge-Si heteroepitaxial thin films for photodetection in third window. , 2008, , .		2
69	Modifications of yttria fully stabilized zirconia thin films by ion irradiation in the inelastic collision regime. <i>Journal of Applied Physics</i> , 2008, 104, 093534.	2.5	3
70	Morphology and growth mechanism of WO <sub>x</sub> films prepared by laser ablation of W in different atmospheres. <i>Europhysics Letters</i> , 2008, 83, 68005.	2.0	7
71	Expansion of an ablation plume in a buffer gas and cluster growth. <i>Europhysics Letters</i> , 2007, 79, 35002.	2.0	43
72	Transformation of graphite into nanodiamond following extreme electronic excitations. <i>Physical Review B</i> , 2007, 76, .	3.2	44

#	ARTICLE	IF	CITATIONS
73	<title>Cluster size prediction in pulsed laser deposited films</title>. , 2007, , .		1
74	Control of cluster synthesis in nano-glassy carbon films. Journal of Non-Crystalline Solids, 2007, 353, 1860-1864.	3.1	12
75	Plume propagation through a buffer gas and cluster size prediction. Applied Surface Science, 2007, 253, 7682-7685.	6.1	33
76	Pulsed-laser deposition of nanostructured Pd/C thin films. Applied Surface Science, 2007, 254, 1307-1311.	6.1	14
77	WOx cluster formation in radio frequency assisted pulsed laser deposition. Applied Surface Science, 2007, 254, 1347-1351.	6.1	10
78	Modelling irradiation induced metastability in ceramic thin films. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1096-1100.	0.8	0
79	RADIATION-INDUCED PHASE TRANSITIONS. , 2007, , 259-319.		3
80	Effect of ambient gas ionisation on the morphology of a pulsed laser deposited carbon film. Carbon, 2006, 44, 3049-3052.	10.3	9
81	SIMS direct surface imaging of Cu1âˆ“xCr <sub>x</sub> formation. Applied Surface Science, 2006, 252, 2288-2296.	6.1	6
82	Influence of ambient gas ionization on the deposition of clusters formed in an ablation plume. Applied Surface Science, 2006, 252, 4364-4367.	6.1	14
83	Synthesis and characterization of tungsten and tungsten oxide nanostructured films. Catalysis Today, 2006, 116, 69-73.	4.4	72
84	Surface analytical chemical imaging and morphology of Cuâ€“Cr alloy. Surface and Coatings Technology, 2006, 200, 6373-6377.	4.8	23
85	Elemental distribution in fluorinated amorphous carbon thin films. Journal of the American Society for Mass Spectrometry, 2005, 16, 126-131.	2.8	9
86	Pulsed-laser deposition of carbon: from DLC to cluster-assembled films. Thin Solid Films, 2005, 482, 2-8.	1.8	38
87	Pulsed laser deposition of glass-like cluster assembled carbon films. Carbon, 2005, 43, 2122-2127.	10.3	27
88	Pulsed laser deposition of nano-glassy carbon films. Applied Surface Science, 2005, 248, 334-339.	6.1	7
89	How the dynamics of an ablation plume is affected by ambient gas ionisation. Radiation Effects and Defects in Solids, 2005, 160, 567-573.	1.2	2
90	High temperature ion beam erosion of polytetrafluoroethylene. Thin Solid Films, 2004, 459, 318-322.	1.8	14

#	ARTICLE	IF	CITATIONS
91	Focused ion beam-secondary ion mass spectrometry analyses of nanostructured thin films. Surface and Coatings Technology, 2004, 180-181, 323-330.	4.8	6
92	Modeling structural metastability of irradiated thin films. Surface Science, 2004, 554, 1-9.	1.9	2
93	SIMS analyses on Co:ns-C thin films. Applied Surface Science, 2004, 231-232, 859-863.	6.1	2
94	Modelling irradiation induced glass transition in thin films. Journal of Non-Crystalline Solids, 2004, 345-346, 132-136.	3.1	1
95	Structural changes induced by swift heavy ions in non-metallic compounds. Nuclear Instruments & Methods in Physics Research B, 2003, 209, 55-61.	1.4	3
96	Energetic condition for carbyne formation. Chemical Physics Letters, 2003, 376, 662-665.	2.6	7
97	Systematic study of amorphous hydrogenated and fluorinated carbon films. Applied Surface Science, 2003, 205, 113-120.	6.1	29
98	Structure and mechanical properties of PACVD fluorinated amorphous carbon films. Thin Solid Films, 2003, 433, 149-154.	1.8	49
99	Pulsed laser deposition of diamondlike carbon films on polycarbonate. Journal of Applied Physics, 2003, 93, 859-865.	2.5	37
100	The Structure of Disordered Systems. , 2003, , 87-177.		0
101	Ion beam induced enhanced adhesion of Au films deposited on polytetrafluoroethylene. Thin Solid Films, 2002, 420-421, 565-570.	1.8	37
102	Microscopic modeling of irradiation-induced metastability in ceramic thin films. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 1-9.	1.4	1
103	Measurement of the elastic constants of nanometer-thick films. Materials Science and Engineering C, 2002, 19, 201-204.	7.3	10
104	Structural and elastic properties of cubic boron nitride films. Surface and Coatings Technology, 2002, 151-152, 151-154.	4.8	4
105	Spectroscopic characterisation of DLC films deposited on polycarbonate by pulsed laser ablation. Surface and Coatings Technology, 2002, 151-152, 303-307.	4.8	5
106	On the structure of thin amorphous carbon films. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 561-571.	0.6	0
107	Generalized matching rules for aperiodic tilings. Journal of Alloys and Compounds, 2001, 316, 39-45.	5.5	1
108	Structural stability versus instability in irradiated metallic films. Journal of Non-Crystalline Solids, 2001, 287, 177-182.	3.1	0

#	ARTICLE	IF	CITATIONS
109	Structural stability of irradiated ceramics. Journal of Nuclear Materials, 2001, 289, 80-85.	2.7	5
110	Structure and mechanical properties of nanocrystalline boron nitride thin films. Applied Organometallic Chemistry, 2001, 15, 430-434.	3.5	7
111	Structural and mechanical properties of ta-C films grown by pulsed laser deposition. Europhysics Letters, 2000, 50, 501-506.	2.0	23
112	Structural stability of irradiated metallic and non-metallic films. Surface and Coatings Technology, 2000, 125, 61-65.	4.8	4
113	Elastic constants of cubic boron nitride films. Applied Physics Letters, 2000, 77, 2168-2170.	3.3	18
114	Modelling structural stability under irradiation. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1999, 79, 2129-2136.	0.6	3
115	Time-dependent evolution of thin TiN films prepared by ion beam assisted deposition. Journal of Applied Physics, 1999, 86, 5566-5572.	2.5	15
116	Laser-irradiation-induced structural changes on graphite. Physical Review B, 1999, 59, 13513-13516.	3.2	26
117	Preliminary fabrication and characterisation of inert matrix and thoria fuels for plutonium disposition in light water reactors. Journal of Nuclear Materials, 1999, 274, 23-33.	2.7	37
118	Structural stability of ion bombarded non-metallic systems. Nuclear Instruments & Methods in Physics Research B, 1999, 147, 202-206.	1.4	1
119	Charge transfer induced critical deformation in ion beam amorphized metallic alloys. Nuclear Instruments & Methods in Physics Research B, 1999, 148, 189-193.	1.4	0
120	Modeling radiation induced structural evolution in nonmetallic compounds. Journal of Applied Physics, 1999, 85, 1387-1394.	2.5	4
121	Metastable phase nucleation in irradiated metallic alloys. Scripta Materialia, 1999, 11, 739-745.	0.5	3
122	Structural and Mechanical Properties of Diamond-Like Carbon Films Prepared by Pulsed Laser Deposition With Varying Laser Intensity. Materials Research Society Symposia Proceedings, 1999, 593, 359.	0.1	13
123	Structure and elastic properties of thin alloyed gold films. Thin Solid Films, 1998, 317, 198-201.	1.8	4
124	Low-temperature deposition of cubic boron nitride thin films. Europhysics Letters, 1998, 44, 627-633.	2.0	12
125	VITRIFICATION OF NON-METALLIC FILMS UNDER ENERGETIC ION BOMBARDMENT. , 1998, , .		0
126	Combined surface Brillouin scattering and x-ray reflectivity characterization of thin metallic films. Journal of Applied Physics, 1997, 81, 672-678.	2.5	49



#	ARTICLE	IF	CITATIONS
127	Phase formation and stability of N+implanted SiC thin films. Journal of Applied Physics, 1997, 81, 146-149.	2.5	13
128	Synthesis of mixed hexagonal-cubic BN thin films at low temperature. Applied Surface Science, 1997, 108, 33-38.	6.1	3
129	Ageing effects of thin films prepared by ion beam assisted deposition: a multi-technique characterization. Thin Solid Films, 1996, 290-291, 401-405.	1.8	1
130	Non-equilibrium phase formation in ion-bombarded alloys. Thin Solid Films, 1996, 275, 235-239.	1.8	2
131	Phase formation and amorphisation processes under high-energy ion bombardment. Surface and Coatings Technology, 1996, 83, 22-29.	4.8	11
132	Mechanical behaviour of nitrogen-implanted aluminium alloys. Surface and Coatings Technology, 1996, 83, 284-289.	4.8	30
133	Phase formation in the N-B-Ti system. Vacuum, 1995, 46, 951-954.	3.5	6
134	Synthesis and structural characterization of boron nitride thin films. Thin Solid Films, 1994, 253, 78-84.	1.8	14
135	Phase formation in ion bombarded metallic films. European Physical Journal B, 1994, 93, 243-250.	1.5	10
136	Modelling the Structure of Ion Bombarded Binary Alloys. Materials Research Society Symposia Proceedings, 1994, 373, 27.	0.1	1
137	Elastic behaviour of TiN thin films. Thin Solid Films, 1993, 236, 209-213.	1.8	11
138	Bombardment-Induced Phase Nucleation in Binary Alloys. Physica Status Solidi A, 1993, 135, 169-182.	1.7	4
139	Spectroscopic characterization of thermally treated carbon-rich Si <sub>1-x</sub> C <sub>x</sub> films. Thin Solid Films, 1993, 223, 114-121.	1.8	70
140	Chemical and compositional changes induced by N+implantation in amorphous SiC films. Journal of Applied Physics, 1993, 74, 2013-2020.	2.5	41
141	Phase formation in thin solid films subjected to fast charged particle bombardment. Computational Materials Science, 1993, 1, 428-438.	3.0	5
142	Band structure influence on cohesion in quasi-crystals. Journal of Alloys and Compounds, 1992, 186, 153-160.	5.5	2
143	Structure and optical properties of TiN films prepared by dc sputtering and by ion beam assisted deposition. Vacuum, 1992, 43, 459-462.	3.5	24
144	Metastable phase formation in particle-bombarded metallic systems. Rivista Del Nuovo Cimento, 1992, 15, 1-96.	5.7	21

#	ARTICLE	IF	CITATIONS
145	Statistical thermodynamics of ordering in ferromagnets. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 905-907.	2.3	3
146	Electronic Origin of Stability in Quasicrystals. , 1992, , 483-492.		0
147	Quasicrystals: an electron phase. Journal of the Less Common Metals, 1991, 171, 221-230.	0.8	7
148	Characterization of niobium nitride thin films prepared by ion-assisted deposition. Thin Solid Films, 1991, 201, 147-154.	1.8	2
149	Phase formation in ion-mixed alloys. Thin Solid Films, 1991, 202, 157-169.	1.8	1
150	Titanium nitride coatings obtained using new apparatus for ion beam assisted deposition. Surface and Coatings Technology, 1991, 49, 150-154.	4.8	16
151	Ion-induced crystal-to-glass transition in alloys. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1990, 61, 639-647.	0.6	9
152	A thermodynamic approach for cooperative phenomena in magnetic materials. Journal of Magnetism and Magnetic Materials, 1990, 83, 300-302.	2.3	2
153	Crystal-Glass Phase Transition in Ion Irradiated Binary Systems. Physica Status Solidi A, 1990, 119, 463-470.	1.7	25
154	Model of phase formation in ion-mixed binary alloys with positive heats of formation. Journal of the Less Common Metals, 1990, 160, 351-362.	0.8	1
155	Structure and superconductivity of Nb-Zr thin films. Journal of Physics Condensed Matter, 1989, 1, 6685-6693.	1.8	11
156	Model of glass formation in irradiated transition metal alloys. Radiation Effects and Defects in Solids, 1989, 108, 61-71.	1.2	12
157	Nucleation of quasi-crystalline and amorphous structures. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1989, 11, 1123-1133.	0.4	5
158	Phase nucleation and stability in irradiated metal-silicon systems. European Physical Journal B, 1989, 77, 321-327.	1.5	3
159	Ion-induced crystal-to-glass transition in alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1989, 115, 107-121.	5.6	11
160	Elastic anomalies and martensite nucleation in $\beta$ -phase alloys. Physica Status Solidi A, 1988, 108, 587-598.	1.7	2
161	Superconductivity in crystalline and amorphous Nb $\bar{i}$ -Zr thin films. Materials Science and Engineering, 1988, 99, 201-205.	0.1	4
162	Crystal-glass transition in ion-bombarded alloys. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1988, 10, 395-406.	0.4	7

#	ARTICLE	IF	CITATIONS
163	Local charge transfer and stability of amorphous systems produced by ion beam irradiation. European Physical Journal B, 1988, 69, 511-519.	1.5	8
164	Surface segregation in transition metal alloys: Experiments and theories. Surface Science, 1988, 201, L519-L531.	1.9	106
165	Preparation of Metal Glasses by Ion Implantation and/or Sputtering*. Zeitschrift Fur Physikalische Chemie, 1988, 157, 239-244.	2.8	1
166	Ion-beam-induced amorphization. Materials Science and Engineering, 1987, 90, 55-68.	0.1	23
167	Thick and homogeneous surface layers obtained by reactive ion-beam-enhanced deposition. Materials Science and Engineering, 1987, 90, 349-355.	0.1	26
168	Charge transfer and martensitic nucleation. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1987, 9, 1061-1071.	0.4	0
169	On the wear behaviour of nitrogen implanted 304 stainless steel. Scripta Metallurgica, 1986, 20, 37-42.	1.2	26
170	Theory of thermoelastic martensite nucleation. Materials Science and Engineering, 1986, 77, L5-L9.	0.1	11
171	Thermodynamics of cooperative phenomena in magnetic materials. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 725-727.	2.3	2
172	Surface segregation analysis of martensite nucleation in model systems. European Physical Journal B, 1986, 63, 293-298.	1.5	9
173	Localised surface segregation and martensite nucleation in noble metal based ternary alloys. European Physical Journal B, 1985, 62, 71-77.	1.5	6
174	On the rearrangement mechanisms during liquid phase sintering of a model system. Scripta Metallurgica, 1985, 19, 569-574.	1.2	5
175	Plastic-deformation dependence of the Gr $\bar{A}$ $\frac{1}{4}$ neisen parameter strain derivatives. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1983, 2, 953-964.	0.4	0
176	Martensitic transformation onset in noble metal $\hat{I}^2$ phase alloys. Journal of Physics F: Metal Physics, 1982, 12, 2805-2812.	1.6	12
177	PHASE STABILITY AND MARTENSITIC TRANSFORMATION ONSET IN TRANSITION METAL AND NOBLE METAL $\bar{A}$ $\bar{Y}$ -PHASE ALLOYS. Journal De Physique Colloque, 1982, 43, C4-127-C4-132.	0.2	1
178	Phase stability and martensitic transformation in metals and alloys. Journal of Physics F: Metal Physics, 1981, 11, 2037-2043.	1.6	19
179	Gruneisen parameter: measurement of the strain derivatives. Journal of Physics F: Metal Physics, 1981, 11, 541-545.	1.6	10
180	Plastic deformation, anharmonicity and Gr $\bar{A}$ $\frac{1}{4}$ neisen parameter of $\hat{I}^{\pm}$ -titanium. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1980, 41, 943-947.	0.6	5

#	ARTICLE	IF	CITATIONS
181	Strain driven thermoelastic instability toward brittle fracture. Zeitschrift für Physik B Condensed Matter and Quanta, 1980, 39, 135-141.	1.9	10
182	A thermoelastic method to determine the thermal diffusivity. Applied Physics Berlin, 1979, 18, 63-66.	1.4	16
183	Determination of the Gruneisen parameter by the thermoelastic effect in anharmonic solids. Journal of Physics C: Solid State Physics, 1978, 11, 4921-4925.	1.5	17
184	Measurement of the low-frequency viscosity of some polycrystalline metals and alloys. Journal of Physics F: Metal Physics, 1978, 8, 1671-1675.	1.6	13
185	Pulsed Laser Deposition of Carbon Films: Tailoring Structure and Properties. , 0, , 359-380.		3
186	Metal-decorated silicon nanowires for laser desorption-ionization mass spectrometry. SPIE Newsroom, 0, , .	0.1	4