Eric Gaffet

List of Publications by Citations

164 papers	5,149 citations	39 h-index	68 g-index
186 ext. papers	5,495 ext. citations	3.5 avg, IF	5.24 L-index

#	Paper	IF	Citations
164	Hallmarks of mechanochemistry: from nanoparticles to technology. *Chemical Society Reviews*, **2013**, 42, 7571-637	58.5	761
163	High yield fabrication of fluorescent nanodiamonds. *Nanotechnology*, **2009**, 20, 235602	3.4	267
162	The physics of mechanical alloying in a planetary ball mill: Mathematical treatment. *Acta Metallurgica Et Materialia*, **1995**, 43, 1087-1098		249
161	Crystal-amorphous phase transition induced by ball-milling in silicon. *Journal of the Less Common Metals*, **1990**, 157, 201-222		183
160	X-ray diffraction line profile analysis of iron ball milled powders. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 366, 229-238	5.3	160
159	Some recent developments in mechanical activation and mechanosynthesis. *Journal of Materials Chemistry*, **1999**, 9, 305-314		153
158	Metastable phase transformations induced by ball-milling in the Cu?W system. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1991**, 134, 1380-1384	5.3	150
157	Mechanically activated synthesis studied by X-ray diffraction in the Fe□Al system. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 262, 279-288	5.3	124
156	Mechanical activation effect on the self-sustaining combustion reaction in the Mo□Si system. *Journal of Alloys and Compounds*, **2001**, 314, 240-250	5.7	100
155	A mathematical and experimental dynamical phase diagram for ball-milled Ni10Zr7. *Journal of Alloys and Compounds*, **1994**, 209, 351-361	5.7	98
154	Far from equilibrium phase transition induced by solid-state reaction in the Fe?Si system. *Journal of Alloys and Compounds*, **1993**, 194, 339-360	5.7	96
153	Spark plasma synthesis from mechanically activated powders: a versatile route for producing dense nanostructured iron aluminides. *Scripta Materialia*, **2004**, 50, 691-696	5.6	84
152	Structure and magnetic properties of nanocrystalline mechanically alloyed Fe□10% Ni and Fe□20% Ni. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2003**, 360, 299-305	5.3	82
151	Formation of Nanostructural Materials Induced by Mechanical Processings (Overview). *Materials Transactions, JIM*, **1995**, 36, 198-209		74
150	Stabilized Zirconias Prepared by Mechanical Alloying. *Journal of the American Ceramic Society*, **1993**, 76, 2884-2888	3.8	74
149	Synthesis of niobium aluminides using mechanically activated self-propagating high-temperature synthesis and mechanically activated annealing process. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 265, 117-128	5.3	68
148	In situ time-resolved diffraction coupled with a thermal i.r. camera to study mechanically activated SHS reaction: case of Fe□Al binary system. *Acta Materialia*, **1999**, 47, 619-629	8.4	67

147	Far-from-equilibrium phase transition induced by mechanical alloying in the Cu?Fe system. *Journal of Alloys and Compounds*, **1993**, 194, 23-30	5.7	64
146	Phase transition induced by ball milling in germanium. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1991**, 136, 161-169	5.3	64
145	Mechanochemistry and Mechanical Activation. *Materials Science Forum*, **1996**, 225-227, 511-520	0.4	61
144	Milling conditions effect on structure and magnetic properties of mechanically alloyed Fe□10% Ni and Fe□20% Ni alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 381, 363-371	5.3	58
143	Planetary ball-milling: an experimental parameter phase diagram. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1991**, 132, 181-193	5.3	58
142	Structure and properties of Cu, Ni and Fe powders milled in a planetary ball mill. *Scripta Metallurgica Et Materialia*, **1992**, 26, 1743-1748		57
141	Nanocrystalline MoSi2 phase formation induced by mechanically activated annealing. *Journal of Alloys and Compounds*, **1994**, 205, 27-34	5.7	56
140	Combustion wave structure during the MoSi2 synthesis by Mechanically-Activated Self-propagating High-temperature Synthesis (MASHS): In situ time-resolved investigations. *Intermetallics*, **2006**, 14, 521-529	3.5	54
139	The physics of mechanical alloying in a modified horizontal rod mill: Mathematical treatment. *Acta Materialia*, **1996**, 44, 725-734	8.4	54
138	In situ synchrotron characterization of mechanically activated self-propagating high-temperature synthesis applied in Mo□i system. *Acta Materialia*, **1999**, 47, 2113-2123	8.4	49
137	Mechanism of mechanical alloying phase formation and related magnetic and mechanical properties in the Fe?Si system. *Journal of Alloys and Compounds*, **1993**, 198, 155-164	5.7	48
136	Solid state reaction induced by post-milling annealing in the Fe?Si system. *Journal of Alloys and Compounds*, **1993**, 198, 143-154	5.7	47
135	Doxorubicin-Loaded Thermoresponsive Superparamagnetic Nanocarriers for Controlled Drug Delivery and Magnetic Hyperthermia Applications. *ACS Applied Materials & Interfaces*, **2019**, 11, 30610-30620	9.5	46
134	Correlation between milling parameters and microstructure characteristics of nanocrystalline copper powder prepared via a high energy planetary ball mill. *Journal of Alloys and Compounds*, **2007**, 432, 103-110	5.7	46
133	Synthesis of bulk FeAl nanostructured materials by HVOF spray forming and Spark Plasma Sintering. *Intermetallics*, **2006**, 14, 1208-1213	3.5	46
132	Enhancement of self-sustaining reaction Cu3Si phase formation starting from mechanically activated powders. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2000**, 284, 301-306	5.3	44
131	Nanocrystalline Fe?Ni solid solutions prepared by mechanical alloying. *Scripta Materialia*, **1996**, 7, 411-420		44
130	Enhancement of self-sustaining reaction by mechanical activation: case of an Fe?Si system. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **1999**, 264, 94-107	5.3	43

129	In-situ time resolved X-ray diffraction study of the formation of the nanocrystalline NbAl3 phase by mechanically activated self-propagating high-temperature synthesis reaction. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 272, 334-341	5.3	43
128	Structural study of Fe?Si nanostructured materials. *Journal of Alloys and Compounds*, **1997**, 259, 241-248	5.7	42
127	Investigations of the formation mechanism of nanostructured NbAl3 via MASHS reaction. *Intermetallics*, **2002**, 10, 377-389	3.5	41
126	Nanostructural materials formation by mechanical alloying: Morphologic analysis based on transmission and scanning electron microscopic observations. *Materials Characterization*, **1996**, 36, 185-190	3.9	41
125	Synthesis of nanocrystalline NbAl3 by mechanical and field activation. *Intermetallics*, **2001**, 9, 571-580	3.5	39
124	Reactive sintering of molybdenum disilicide by spark plasma sintering from mechanically activated powder mixtures: Processing parameters and properties. *Journal of Alloys and Compounds*, **2008**, 465, 344-355	5.7	35
123	Structure, magnetic and M□sbauer studies of mechanically alloyed Fe□0wt.% Ni powders. *Journal of Alloys and Compounds*, **2006**, 417, 32-38	5.7	35
122	Dynamic equilibrium induced by ball milling in the Ni?Zr system. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1989**, 119, 185-197	5.3	33
121	One-Step Synthesis and Consolidation of Nanophase Iron Aluminide. *Journal of the American Ceramic Society*, **2001**, 84, 910-914	3.8	32
120	High yield fabrication of fluorescent nanodiamonds. *Nanotechnology*, **2009**, 20, 359801-359801	3.4	31
119	Dense nanostructured materials obtained by spark plasma sintering and field activated pressure assisted synthesis starting from mechanically activated powder mixtures. *Science of Sintering*, **2004**, 36, 155-164	0.7	31
118	A new experimental setup for the time resolved x-ray diffraction study of self-propagating high-temperature synthesis. *Review of Scientific Instruments*, **2002**, 73, 422-428	1.7	25
117	Effects of High Energy Ball Milling on Ceramic Oxides. *Materials Science Forum*, **1996**, 235-238, 103-108	0.4	25
116	Laser surface alloying of ni film on al-based alloy. *Acta Metallurgica*, **1989**, 37, 3205-3215		25
115	Crystal-to-amorphous phase transition induced by mechanical alloying in the Ge?Si system. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **1991**, 149, 85-94	5.3	25
114	Thermo-responsive magnetic FeO@P(MEOMA-OEGMA) NPs and their applications as drug delivery systems. *International Journal of Pharmaceutics*, **2017**, 532, 738-747	6.5	24
113	Bulk FeAl nanostructured materials obtained by spray forming and spark plasma sintering. *Journal of Alloys and Compounds*, **2007**, 434-435, 358-361	5.7	24
112	The mechanically activated combustion reaction in the Fe□i system: in situ time-resolved synchrotron investigations. *Intermetallics*, **2002**, 10, 271-282	3.5	24

111	Unaggregated silicon nanocrystals obtained by ball milling. *Journal of Crystal Growth*, **2005**, 275, 589-597	1.6	23
110	Mechanically Activated SHS Reaction in the Fe-Al System: In Situ Time Resolved Diffraction Using Synchrotron Radiation. *Materials Science Forum*, **1998**, 269-272, 379-384	0.4	23
109	Metastable Phase Transition Induced by Ball-Milling in the Ge-Si System. *Materials Science Forum*, **1992**, 88-90, 375-382	0.4	23
108	Dense Mosi2 produced by reactive flash sintering: Control of Mo/Si agglomerates prepared by high-energy ball milling. *Powder Technology*, **2011**, 208, 526-531	5.2	22
107	Reactive extrusion synthesis of mechanically activated Ti50Ni powders. *Intermetallics*, **2007**, 15, 1623-1631	3.5	22
106	Crystal to Non-Equilibrium Phase Transition Induced by Ball-Milling. *Materials Science Forum*, **1992**, 88-90, 51-58	0.4	22
105	In situ synchrotron investigation of MoSi2 formation mechanisms during current-activated SHS sintering. *Acta Materialia*, **2007**, 55, 6051-6063	8.4	21
104	High-energy ball milling of Al2O3–TiO2 powders. *Journal of Alloys and Compounds*, **2007**, 434-435, 489-493	5.7	21
103	Electrochemical behavior of nanocrystalline iron aluminide obtained by mechanically activated field activated pressure assisted synthesis. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 369, 49-55	5.3	21
102	Ball milling amorphization mechanism of Ni?Zr alloys. *Journal of the Less Common Metals*, **1988**, 145, 251-260		21
101	Structure and composition heterogeneity of a FeAl alloy prepared by one-step synthesis and consolidation processing and their influence on grain size characterization. *Journal of Alloys and Compounds*, **2006**, 420, 158-164	5.7	20
100	Structure of nanosized refractory oxde powders. *Scripta Materialia*, **1995**, 6, 667-670		18
99	Oxydes c?ramiques ?labor?s par voie m?canochimique. *Revue De Metallurgie*, **1993**, 90, 219-226		18
98	One-step consolidation and precipitation hardening of an ultrafine-grained Al-Zn-Mg alloy powder by Spark Plasma Sintering. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 685, 227-234	5.3	16
97	Ball milling: an E-v-T parameter phase diagram. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1991**, 135, 291-293	5.3	16
96	Scientific opinion on the proposed amendment of the EU specifications for titanium dioxide (E´171) with respect to the inclusion of additional parameters related to its particle size distribution. *EFSA Journal*, **2019**, 17, e05760	2.3	15
95	Simultaneous IR and time-resolved X-ray diffraction measurements for studying self-sustained reactions. *Journal of Synchrotron Radiation*, **2000**, 7, 27-33	2.4	15
94	Magnetic hyperfine temperature dependence in Fe?i crystalline alloys. *Solid State Communications*, **1999**, 111, 323-327	1.6	15

93	Opinion of the Scientific Committee on Consumer Safety (SCCS) - Final version of the Opinion on Vitamin A (retinol, retinyl acetate and retinyl palmitate) in cosmetic products. *Regulatory Toxicology and Pharmacology*, **2017**, 84, 102-104	3.4	14
92	Assisted self-sustaining combustion reaction in the FeSi system: Mechanical and chemical activation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 456, 270-277	5.3	14
91	Activation mcanique des procds de la mtallurgie des poudres: une solution vers l'laboration de nanomatriaux. *Annales De Chimie: Science Des Materiaux*, **2002**, 27, 47-59	2.1	14
90	Transitions de phases sous sollicitations mcaniques : laboration par mcano-synthse de matriaux nanostructures (alliages mtalliques, semi-conducteurs, cramiques). *Revue De Metallurgie*, **1994**, 91, 757-770		14
89	Amorphization during Cold Rolling of NiZr Multilayer Composites. *Europhysics Letters*, **1990**, 12, 63-68	1.6	13
88	A Facile Approach for Doxorubicine Delivery in Cancer Cells by Responsive and Fluorescent Core/Shell Quantum Dots. *Bioconjugate Chemistry*, **2018**, 29, 2248-2256	6.3	12
87	Nanomatriaux : Une revue des dfinitions, des applications et des effets sur la sant. Comment implmenter un dveloppement s. *Comptes Rendus Physique*, **2011**, 12, 648-658	1.4	12
86	Mechanically activated reactive forging synthesis (MARFOS) of NiTi. *Intermetallics*, **2008**, 16, 889-895	3.5	12
85	Simultaneous Synthesis and Consolidation of Nanostructured MoSi2. *Journal of Materials Research*, **2002**, 17, 542-549	2.5	12
84	. *IEEE Transactions on Magnetics*, **1994**, 30, 4887-4889	2	12
83	Functional responsive superparamagnetic core/shell nanoparticles and their drug release properties. *RSC Advances*, **2017**, 7, 26243-26249	3.7	11
82	Mechanical Activation as a New Method for SHS. *Advances in Science and Technology*, **2006**, 45, 979-988	0.1	11
81	From Nanostructured Powders to Dense Nanostructured Materials : Mechanically Activated Powder Metallurgy. *Journal of Metastable and Nanocrystalline Materials*, **2003**, 15-16, 259-266	0.2	11
80	X-ray diffraction and Mssbauer studies of mechanically alloyed FeNi nanostructured powders. *Journal of Magnetism and Magnetic Materials*, **2005**, 294, e145-e149	2.8	11
79	A calorimetric study of mechanically induced phase transformations in Ni?Zr alloys. *Journal of the Less Common Metals*, **1989**, 153, 299-310		11
78	Efficient synthetic access to thermo-responsive core/shell nanoparticles. *Nanotechnology*, **2017**, 28, 125601	3.4	10
77	Investigation of mechanically activated field-activated pressure-assisted synthesis processing parameters for producing dense nanostructured FeAl. *Journal of Materials Research*, **2003**, 18, 2331-2338	2.5	10
76	Structural investigation of mechanically alloyed (NiAl)1 x(M)x (M = Fe, Zr) nanocrystalline and amorphous phases. *Scripta Materialia*, **1995**, 5, 393-409		10

75	Nonparametric Estimation of Multiplicative Counting Process Intensity Functions with an Application to the Beijing SARS Epidemic. *Communications in Statistics - Theory and Methods*, **2008**, 37, 294-306	0.5	9
74	Friction mode and shock mode effect on magnetic properties of mechanically alloyed Fe-based nanocrystalline materials. *Journal of Materials Science*, **2004**, 39, 5139-5142	4.3	9
73	Magnetic Properties Study Of Nanocrystalline Cobalt and Cobalt-Based Alloys. *Journal of Metastable and Nanocrystalline Materials*, **1999**, 7, 41-48	0.2	9
72	Identification by DSC and DTA of the oxygen and carbon contamination due to the use of ethanol during mechanical alloying of Cu-Fe powders. *Journal of Materials Science*, **1993**, 28, 2669-2676	4.3	9
71	Spark Plasma Sintering. *Advances in Applied Ceramics*, **2014**, 113, 65-66	2.3	8
70	Preparation of Nanocrystalline Copper by Hot and Cold Compaction: Characterization of Mechanical and Electrochemical Properties. *Materials Science Forum*, **1998**, 269-272, 843-848	0.4	8
69	Mechanical alloying in a planetary ball mill : kinematic description. *European Physical Journal Special Topics*, **1994**, 04, C3-291-C3-296		8
68	Effect of heat treatments on the microstructure of an ultrafine-grained Al-Zn-Mg alloy produced by powder metallurgy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 685, 71-78	5.3	7
67	Reactivity of Cu3Si of different genesis towards copper(I) chloride. *Thermochimica Acta*, **2000**, 351, 71-77	2.9	7
66	Physics of Mechanical Alloying in Planetary Ball Mill and the Horizontal Rod Mill: Kinematic Approach. *Materials Science Forum*, **1995**, 179-181, 339-344	0.4	7
65	Laser surface alloying of Ni film on Al-based alloy. *Applied Surface Science*, **1989**, 43, 248-255	6.7	7
64	Time-resolved XRD experiments for a fine description of mechanisms induced during reactive sintering. *Science of Sintering*, **2005**, 37, 27-34	0.7	7
63	The SCCS guidance on the safety assessment of nanomaterials in cosmetics. *Regulatory Toxicology and Pharmacology*, **2020**, 112, 104611	3.4	6
62	Mechanically activated reactive extrusion synthesis (MARES) of NiTi. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 473, 336-341	5.3	6
61	Effect of Microstructure on the High Temperature Oxidation and Pesting Behaviour of MoSi2. *Materials Science Forum*, **2004**, 461-464, 439-446	0.4	6
60	Nanocrystalline FeAl Synthesis by MASHS with In Situ and Post Mortem Characterizations. *Materials Science Forum*, **1999**, 312-314, 287-292	0.4	6
59	Nanocrystalline and Amorphous Mechanically Alloyed Ni - Al - M (M=Fe, Zr) Phases. *Materials Science Forum*, **1996**, 225-227, 429-434	0.4	6
58	Metastable Phase Transition Induced by Mechanical Alloying in a Si (B/C) Mixture. *Materials Science Forum*, **1992**, 88-90, 383-390	0.4	6

57	Amorphization of a metalloid-rich ferritic steel by a continuous CO2 laser: A microstructural investigation. *Materials Science and Engineering*, **1988**, 98, 291-294		6
56	Layer-by-Layer Self-Assembly of Polyelectrolytes on Superparamagnetic Nanoparticle Surfaces. *ACS Omega*, **2020**, 5, 4770-4777	3.9	5
55	Control of FeAl Composition Produced by SPS Reactive Sintering from Mechanically Activated Powder Mixture. *Journal of Nanomaterials*, **2013**, 2013, 1-11	3.2	5
54	On the mechanically induced crystallization of FCC phases by mechanical milling in ZrAlNiCu bulk metallic glasses. *Journal of Alloys and Compounds*, **2010**, 504, S264-S266	5.7	5
53	Main recent contributions to SHS from France. *International Journal of Self-Propagating High-Temperature Synthesis*, **2007**, 16, 235-255	0.7	5
52	Neural computation to predict magnetic properties of mechanically alloyed Fe10%Ni and Fe20%Ni nanocrystalline. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2005**, 119, 164-170	3.1	5
51	Elaboration of the Cu3Si compound using a mechanically activated annealing process. *Journal of Materials Science*, **2000**, 35, 3221-3226	4.3	5
50	Mechanical activation conditions of the Fe2O3 and V2O3 mixture powders in order to obtain a nanometric vanadium spinel ferrite. *Powder Technology*, **1999**, 105, 155-161	5.2	5
49	Mössbauer Effect Study of Disordering Induced by Mechanical Alloying in the Fe-Si System. *Materials Science Forum*, **1995**, 179-181, 109-114	0.4	5
48	Amorphization by solid state diffusion in granular system. *Journal of the Less Common Metals*, **1988**, 140, 49-55		5
47	The SCCS Notes of Guidance for the testing of cosmetic ingredients and their safety evaluation, 11th revision, 30-31 March 2021, SCCS/1628/21. *Regulatory Toxicology and Pharmacology*, **2021**, 127, 105052	3.4	5
46	Opinion of the Scientific Committee on Consumer Safety (SCCS) - Final version of the opinion on Phenoxyethanol in cosmetic products. *Regulatory Toxicology and Pharmacology*, **2016**, 82, 156	3.4	4
45	Opinion of the Scientific Committee on Consumer Safety (SCCS) - Final version of the opinion on decamethylcyclopentasiloxane (cyclopentasiloxane, D5) in cosmetic products. *Regulatory Toxicology and Pharmacology*, **2017**, 83, 117-118	3.4	4
44	The transformation behaviour of bulk nanostructured NiTi alloys. *Smart Materials and Structures*, **2009**, 18, 115003	3.4	4
43	Role of the Microstructure on the High Temperature Oxidation Properties of the Intermetallic Compound NbAl3. *Materials Science Forum*, **2001**, 369-372, 793-800	0.4	4
42	Corrosion Behaviour of Nickel Coating Obtained by Ball Milling. *Materials Science Forum*, **1996**, 225-227, 825-830	0.4	4
41	Développements récents de l'étude en temps réel par diffraction des rayons X couplée à une thermographie infrarouge : application au suivi de la réaction MASHS dans les systèmes FeAl, et MoSi2. *European Physical Journal Special Topics*, **1998**, 08, Pr5-497-Pr5-504		4
40	Mechanical Milling **2007**, 455-471		3

39	Study of an Al Composite Reinforced with Nanometric SiC Particles, Produced by Mechanical Alloying. *Materials Science Forum*, **1996**, 225-227, 763-768	0.4	3
38	Electrochemical Investigation of Nanocrystalline Ni Obtained by Different Preparation. *Materials Science Forum*, **1996**, 235-238, 961-966	0.4	3
37	Chemically disordered Ni3Al synthesized by rapid solidification: an experimental investigation of the quenching parameters. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1993**, 160, 251-259	5.3	3
36	Opinion of the scientific committee on consumer safety (SCCS) - Final opinion on Polyaminopropyl Biguanide (PHMB) in cosmetic products´´Submission III. *Regulatory Toxicology and Pharmacology*, **2017**, 88, 328-329	3.4	2
35	X-Ray Diffraction Study of NiTi Produced by Mechanically Activated Reactive Extrusion Synthesis (MARES). *Materials Science Forum*, **2008**, 587-588, 625-629	0.4	2
34	Ni4Ti3 Precipitation during Ageing of MARES NiTi Shape Memory Alloys Studied by FEG-SEM. *Microscopy and Microanalysis*, **2008**, 14, 13-16	0.5	2
33	Thermal stability of FeAl intermetallics prepared by SHS sintering. *International Journal of Self-Propagating High-Temperature Synthesis*, **2008**, 17, 183-188	0.7	2
32	Mechanically Activated Self-Propagating High Temperature Synthesis (MASHS) Applied to the MoSi2 and FeSi2 Phase Formation. *Materials Science Forum*, **1999**, 312-314, 281-286	0.4	2
31	Modification Induced by Milling on Liquid Phase Sintering. *Materials Science Forum*, **1995**, 179-181, 391-396	0.4	2
30	Shock Transfer in Ball-Milling: Nanocomposite Mechanical Approach. *Materials Science Forum*, **1996**, 225-227, 249-254	0.4	2
29	CRYSTAL TO NON EQUILIBRIUM PHASE TRANSITION INDUCED BY BALL-MILLING IN SILICON AND THE IMMISCIBLE Si (Sn, Zn) SYSTEMS. *Journal De Physique Colloque*, **1990**, 51, C4-139-C4-150		2
28	Far from equilibrium crystalline to amorphous phase transition induced by mechanical alloying in the Fe-Si system. *European Physical Journal Special Topics*, **1992**, 02, C3-73-C3-78		2
27	Mössbauer effect evidence for disordering induced by mechanical alloying in the Fe-Si system. *European Physical Journal Special Topics*, **1994**, 04, C3-285-C3-290		2
26	In-situ time-resolved X-ray diffraction experiments applied to self-sustained reactions from mechanically activated mixtures. *European Physical Journal Special Topics*, **2000**, 10, Pr10-89-Pr10-99		2
25	Opinion of the Scientific Committee on consumer safety (SCCS) - Final opinion on the safety of fragrance ingredient Acetylated Vetiver Oil (AVO) - (Vetiveria zizanioides root extract acetylated) - Submission III. *Regulatory Toxicology and Pharmacology*, **2019**, 107, 104389	3.4	1
24	Analysis of Ball-Milled ZrAlNiCu Bulk Metallic Glass Powders. *Advanced Engineering Materials*, **2011**, 13, 616-620	3.5	1
23	Nanophase Formation Activated by Mechanical Alloying. *Materials Science Forum*, **1995**, 179-181, 159-164	0.4	1
22	Optimisation of the Mechanical Shock Transfer in a Modified Horizontal Rod Mill. *Materials Science Forum*, **1996**, 225-227, 255-262	0.4	1

21	Interfaces and Defects in Nanocrystalline Oxides. *Materials Science Forum*, **1996**, 235-238, 601-606	0.4	1
20	A simple model for the crystal-to-amorphous phase transition under laser annealing conditions. *Materials Science and Engineering*, **1986**, 82, L13-L17		1
19	Review of core/shell nanostructures presenting good hyperthermia properties for cancer therapy. *Materials Chemistry Frontiers*, **2021**, 5, 6429-6443	7.8	1
18	The SCCS scientific advice on the safety of nanomaterials in cosmetics. *Regulatory Toxicology and Pharmacology*, **2021**, 126, 105046	3.4	1
17	Opinion of the scientific committee on consumer safety (SCCS) - Final version of the opinion on Ethylzingerone - 'Hydroxyethoxyphenyl Butanone' (HEPB) - Cosmetics Europe No P98 - in cosmetic products. *Regulatory Toxicology and Pharmacology*, **2017**, 88, 330-331	3.4	0
16	Opinion of the Scientific Committee on Consumer safety (SCCS) - Opinion on Ethylzingerone - 'Hydroxyethoxyphenyl Butanone' (HEPB) - Cosmetics Europe No P98 - CAS No 569646-79-3 - Submission II (eye irritation). *Regulatory Toxicology and Pharmacology*, **2019**, 107, 104393	3.4	0
15	Powder Metallurgical Processes for NiTi Shape Memory Alloys. *Materials Science Forum*, **2010**, 636-637, 928-933	0.4	0
14	Spark Plasma Sintering ˆpartir de poudres mcaniquement activès´: comprhension des transitions de phase au cours d'un frittage ràctif. *Materiaux Et Techniques*, **2007**, 95, 269-280	0.6	0
13	Les nanomatriaux manufacturs dans lenvironnement professionnel´: un aperu de ltat de lart. *Archives Des Maladies Professionnelles Et De LrEnvironnement*, **2021**, 82, 51-68	0.1	0
12	Opinion of the Scientific Committee on Consumer safety (SCCS) - Opinion on the safety of cosmetic ingredient salicylic acid (CAS 69-72-7). *Regulatory Toxicology and Pharmacology*, **2019**, 108, 104376	3.4	
11	Opinion of the Scientific Committee on Consumer Safety (SCCS) - Final version of the opinion on Eco G+ in cosmetic products. *Regulatory Toxicology and Pharmacology*, **2016**, 82, 157	3.4	
10	Activation mcanique d'oxydes de fer et de vanadium en vue d'une synthse de ferrite de vanadium nanomtrique similaire au composissu de la chimie douce. *Comptes Rendus De LrAcademie Des Sciences - Series IIc: Chemistry*, **1998**, 1, 183-189		
9	Reaction mechanism for SHS of MoSi2 from mechanically activated powder mixtures. *International Journal of Self-Propagating High-Temperature Synthesis*, **2007**, 16, 79-86	0.7	
8	Microstructural and Mechanical Characterization of Mechanically-Activated Plasma-Sprayed Nanostructured Al2O3-TiO2 and Al2O3-ZrO2 Coatings. *Advances in Science and Technology*, **2006**, 45, 1224-1229	0.1	
7	Microstructural Transformations of Al2O3-TiO2 and Al2O3-ZrO2 Powders Induced by High-Energy Ball-Milling. *Advances in Science and Technology*, **2006**, 45, 303-308	0.1	
6	Mechanically Activated Powder Metallurgy: A Suitable Way to Dense Nanostructured Materials **2005**, 537-544		
5	Compressibility of Ball-Milled Nanocrystalline Materials Determined at High Pressure: First Results. *Journal of Metastable and Nanocrystalline Materials*, **1999**, 2-6, 587-592	0.2	
4	Bulk Synthesis of Nanometer-Sized Materials by Combination of Mechanical Alloying and Compaction. *Materials Science Forum*, **1995**, 179-181, 351-356	0.4	

3	MoSi2 Formation Mechanisms during a Spark Plasma Synthesis from Mechanically Activated Powder Mixture. *Ceramic Transactions*,355-365	0.1
2	Production of Dense Nanostructured Materials using Fapas and SPS Techniques. *Ceramic Transactions*,235-249	0.1
1	Opinion of the scientific committee on consumer safety (SCCS) - Opinion on the safety of cosmetic ingredient phenylene bis-diphenyltriazine (CAS No 55514-22-2) - S86. *Regulatory Toxicology and Pharmacology*, **2018**, 99, 129-130	3.4