Ferid Haddad

List of Publications by Year
in descending order

126	2,370	218677	265206
papers	citations	h-index	g-index

133	133	133	1780
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamical effects and intermediate mass fragment production in peripheral and semicentral collisions of Xe+Sn at 50 MeV/nucleon. Physical Review C, 1997, 55, 1906-1916.	2.9	125
2	Geomagnetic origin of the radio emission from cosmic ray induced air showers observed by CODALEMA. Astroparticle Physics, 2009, 31, 192-200.	4.3	115
3	Radio-detection signature of high-energy cosmic rays by the CODALEMA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 555, 148-163.	1.6	98
4	ARRONAX, a high-energy and high-intensity cyclotron for nuclear medicine. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 1377-1387.	6.4	96
5	Radioelectric field features of extensive air showers observed with CODALEMA. Astroparticle Physics, 2006, 26, 341-350.	4.3	82
6	Overview of the Most Promising Radionuclides for Targeted Alpha Therapy: The â€œHopeful Eightâ€• Pharmaceutics, 2021, 13, 906.	4.5	69
7	Cyclotron production of high purity 44m,44 Sc with deuterons from 44 CaCO 3 targets. Nuclear Medicine and Biology, 2015, 42, 524-529.	0.6	65
8	Optimization of reaction conditions for the radiolabeling of DOTA and DOTA-peptide with 44m/44Sc and experimental evidence of the feasibility of an in vivo PET generator. Nuclear Medicine and Biology, 2014, 41, e36-e43.	0.6	54
9	Excitation energies and temperatures of hot nuclei produced in the reactions of63Cu+197Au at35AMeV. Physical Review C, 1997, 55, 227-243.	2.9	53
10	SCANDALâ€”a facility for elastic neutron scattering studies in the 50â€“ range. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 489, 282-303.	1.6	53
11	Tumor Immunotargeting Using Innovative Radionuclides. International Journal of Molecular Sciences, 2015, 16, 3932-3954.	4.1	51
12	Immuno-PET for Clinical Theranostic Approaches. International Journal of Molecular Sciences, 2017, 18, 57.	4.1	50
13	Violent collisions and multifragment final states in theCa40+40Ca reaction at 35 MeV/nucleon. Physical Review C, 1994, 50, 2017-2034.	2.9	47
14	Production of scandium-44m and scandium-44g with deuterons on calcium-44: cross section measurements and production yield calculations. Physics in Medicine and Biology, 2015, 60, 6847-6864.	3.0	45
15	Nucleon-induced reactions at intermediate energies: New data at96MeVand theoretical status. Physical Review C, 2004, 70, .	2.9	42
16	A facility for measurements of nuclear cross sections for fast neutron cancer therapy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 452, 484-504.	1.6	35
17	On nuclear ternary fission. Journal of Physics G: Nuclear and Particle Physics, 1992, 18, 2015-2026.	3.6	34
18	Impact parameter determination in experimental analysis using a neural network. Physical Review C, 1997, 55, 1371-1375.	2.9	34

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19	Promising Scandium Radionuclides for Nuclear Medicine: A Review on the Production and Chemistry up to In Vivo Proofs of Concept. Cancer Biotherapy and Radiopharmaceuticals, 2018, 33, 316-329.	1.0	34
20	Radionuclide candidates for Î²+Î³ coincidence PET: An overview. Applied Radiation and Isotopes, 2020, 155, 108898.	1.5	34
21	Terbium Radionuclides for Theranostics Applications: A Focus On MEDICIS-PROMED. Physics Procedia, 2017, 90, 157-163.	1.2	33
22	Production of scandium radionuclides for theranostic applications: towards standardization of quality requirements. EJNMMI Radiopharmacy and Chemistry, 2021, 6, 19.	3.9	32
23	Elastic neutron scattering at96MeVfromC12andPb208. Physical Review C, 2003, 68, .	2.9	31
24	Comparison of Immuno-PET of CD138 and PET imaging with 64CuCl2 and 18F-FDG in a preclinical syngeneic model of multiple myeloma. Oncotarget, 2018, 9, 9061-9072.	1.8	29
25	Production of 47Sc with natural vanadium targets: results of the PASTA project. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 1711-1718.	1.5	29
26	New excitation functions for proton induced reactions on natural titanium, nickel and copper up to 70 MeV. Nuclear Instruments & Methods in Physics Research B, 2016, 383, 191-212.	1.4	28
27	New production cross sections for the theranostic radionuclide 67Cu. Nuclear Instruments & Methods in Physics Research B, 2018, 415, 41-47.	1.4	28
28	Production of Sc medical radioisotopes with proton and deuteron beams. Applied Radiation and Isotopes, 2018, 142, 104-112.	1.5	28
29	Production of ⁶⁷Cu by enriched ⁷⁰Zn targets: first measurements of formation cross sections of ⁶⁷Cu, ⁶⁴Cu, ⁶⁷Ga, ⁶⁶Ga, ^{69m}Zn and ⁶⁵Zn in interactions of ⁷⁰Zn with protons above 45 MeV. Radiochimica Acta, 2020, 108, 593-602.	1.2	28
30	Story of Rubidium-82 and Advantages for Myocardial Perfusion PET Imaging. Frontiers in Medicine, 2015, 2, 65.	2.6	27
31	Neutron and light-charged-particle productions in proton-induced reactions on 208Pb at 62.9 MeV. European Physical Journal A, 2005, 23, 49-60.	2.5	26
32	Experimental cross section evaluation for innovative 99Mo production via the (Î±,n) reaction on 96Zr target. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 911-917.	1.5	26
33	Effects of Gogny-type interactions on the nuclear flow. Physical Review C, 1995, 52, 2013-2020.	2.9	25
34	On the stability of rotating nuclei against fission through creviced shapes. Journal of Physics G: Nuclear and Particle Physics, 1995, 21, 339-349.	3.6	25
35	Radio detection of cosmic ray air showers by the CODALEMA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 213-215.	1.6	24
36	Production of medical isotopes from a thorium target irradiated by light charged particles up to 70 MeV. Physics in Medicine and Biology, 2015, 60, 931-946.	3.0	24

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37	HINDAS A European Nuclear Data Program for Accelerator-Driven Systems. Journal of Nuclear Science and Technology, 2002, 39, 1161-1166.	1.3	23
38	Cross section measurements of deuteron induced nuclear reactions on natural tungsten up to 34 MeV. Applied Radiation and Isotopes, 2015, 97, 52-58.	1.5	23
39	Elastic neutron scattering at 96 MeV from12Cand208Pb. Physical Review C, 2003, 67, .	2.9	22
40	What is the Best Radionuclide for Immuno-PET of Multiple Myeloma? A Comparison Study Between 89Zr- and 64Cu-Labeled Anti-CD138 in a Preclinical Syngeneic Model. International Journal of Molecular Sciences, 2019, 20, 2564.	4.1	22
41	CERN-MEDICIS: A Review Since Commissioning in 2017. Frontiers in Medicine, 2021, 8, 693682.	2.6	22
42	Elastic scattering of 96 MeV neutrons from iron, yttrium, and lead. Physical Review C, 2008, 77, .	2.9	21
43	Synthesis of C-functionalized TE1PA and comparison with its analogues. An example of bioconjugation on 9E7.4 mAb for multiple myeloma ⁶⁴Cu-PET imaging. Organic and Biomolecular Chemistry, 2018, 16, 4261-4271.	2.8	21
44	Deuteron induced Tb-155 production, a theranostic isotope for SPECT imaging and auger therapy. Applied Radiation and Isotopes, 2016, 118, 281-289.	1.5	20
45	Asymmetric fission barriers and total kinetic energies forHg194,Tb149,In110â€“112,Mo94, andBr75. Physical Review C, 1995, 51, 2813-2816.	2.9	19
46	Hydrogen isotope double differential production cross sections induced by 62.7 MeV neutrons on a lead target. Physical Review C, 2002, 66, .	2.9	19
47	One step purification process for no-carrier-added 64Cu produced using enriched nickel target. Radiochimica Acta, 2011, 99, 627-630.	1.2	19
48	Technical note: Proton beam dosimetry at ultraâ€high dose rates (FLASH): Evaluation of GAFchromicâ„¢ (EBT3, EBTâ€XD) and OrthoChromic (OCâ€1) film performances. Medical Physics, 2022, 49, 2732-2745.	3.0	18
49	Hyperdeformation inDy152at very high spins. Physical Review C, 1993, 47, 1302-1305.	2.9	17
50	New Cross-Sections for natMo(Î±,x) Reactions and Medical 97Ru Production Estimations with Radionuclide Yield Calculator. Instruments, 2019, 3, 7.	1.8	17
51	Is 70Zn(d,x)67Cu the Best Way to Produce 67Cu for Medical Applications?. Frontiers in Medicine, 2021, 8, 674617.	2.6	17
52	The ARRONAX Project. Current Radiopharmaceuticals, 2011, 4, 186-196.	0.8	16
53	New results on proton-induced reactions on vanadium for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Sc</mml:mi><mml:mprescripts /><mml:none /><mml:mn>47</mml:mn></mml:mmultiscripts></mml:math> production and the impact of level densities on theoretical cross sections. Physical Review C, 2021, 104, .	2.9	16
54	Compressibility probed by linear momentum transfer. Physical Review C, 1996, 53, 1437-1439.	2.9	14

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55	New excitation functions for proton induced reactions on natural gadolinium up to 70ÂMeV with focus on 149Tb production. Nuclear Instruments & Methods in Physics Research B, 2020, 478, 174-181.	1.4	14
56	232Th(d,4n)230Pa cross-section measurements at ARRONAX facility for the production of 230U. Nuclear Medicine and Biology, 2014, 41, e19-e22.	0.6	13
57	Is There an Interest to Use Deuteron Beams to Produce Non-Conventional Radionuclides?. Frontiers in Medicine, 2015, 2, 31.	2.6	13
58	Accelerator-based production of 99Mo: a comparison between the 100Mo(p,x) and 96Zr(Î±,n) reactions. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 73-78.	1.5	13
59	Study of energy deposition in heavy-ion reactions. Physical Review C, 1994, 49, 1040-1044.	2.9	12
60	Rotating bubble and toroidal nuclei and fragmentation. Nuclear Physics A, 1996, 605, 403-416.	1.5	12
61	On the symmetric fragmentation barrier at finite temperature. Journal of Physics G: Nuclear and Particle Physics, 1992, 18, L153-L158.	3.6	11
62	On the plane fragmentation barriers. Journal of Physics G: Nuclear and Particle Physics, 1994, 20, L131-L135.	3.6	11
63	How to produce high specific activity tin-117 m using alpha particle beam. Applied Radiation and Isotopes, 2016, 115, 113-124.	1.5	11
64	Targeted-Alpha-Therapy Combining Astatine-211 and anti-CD138 Antibody in a Preclinical Syngeneic Mouse Model of Multiple Myeloma Minimal Residual Disease. Cancers, 2020, 12, 2721.	3.7	11
65	An active dipole for cosmic ray radiodetection with CODALEMA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 481-482.	1.6	10
66	Nuclear data for light charged particle induced production of emerging medical radionuclides. Radiochimica Acta, 2022, 110, 689-706.	1.2	10
67	On the competition between symmetric and asymmetric fission. Journal of Physics G: Nuclear and Particle Physics, 1995, 21, 1357-1361.	3.6	9
68	A route for polonium 210 production from alpha-particle irradiated bismuth-209 target. Radiochimica Acta, 2014, 102, 681-689.	1.2	9
69	Measurements of 186Re production cross section induced by deuterons on natW target at ARRONAX facility. Nuclear Medicine and Biology, 2014, 41, e16-e18.	0.6	9
70	Radiolytic Dissolution of Calcite under Gamma and Helium Ion Irradiation. Journal of Physical Chemistry C, 2017, 121, 24548-24556.	3.1	9
71	Dynamical analysis of dissipative collisions between Ar and Ag nuclei in the Fermi energy domain. Zeitschrift FÃ¼r Physik A, 1996, 354, 321-328.	0.9	8
72	Signature of geometrical effects in heavy-ion reactions below 100 MeV/nucleon. Physical Review C, 1999, 60, .	2.9	8

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73	Excitation function and yield for the 103Rh(d,2n)103Pd nuclear reaction: Optimization of the production of palladium-103. Nuclear Medicine and Biology, 2017, 49, 30-37.	0.6	8
74	New excitation functions measurement of nuclear reactions induced by deuteron beams on yttrium with particular reference to the production of 89Zr. Nuclear Instruments & Methods in Physics Research B, 2019, 458, 57-60.	1.4	8
75	THE RADIOBIOLOGICAL PLATFORM AT ARRONAX. Radiation Protection Dosimetry, 2019, 183, 270-273.	0.8	8
76	From fission to scattering in the 100Mo (18.7 MeV/u) + 100Mo reaction within a microscopic dynamic approach. Nuclear Physics A, 1994, 572, 459-476.	1.5	7
77	Early-reaction-phase energy transformation in heavy-ion reactions below 100 MeV/u. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 625, 26-32.	4.1	7
78	High energy PIXE: A tool to characterize multi-layer thick samples. Nuclear Instruments & Methods in Physics Research B, 2018, 417, 41-45.	1.4	7
79	First laser ions at the CERN-MEDICIS facility. Hyperfine Interactions, 2020, 241, 1.	0.5	7
80	Carboxylate anion generation in aqueous solution from carbonate radiolysis, a potential route for abiotic organic acid synthesis on Earth and beyond. Earth and Planetary Science Letters, 2021, 564, 116892.	4.4	7
81	Cross section measurements of deuteron induced nuclear reactions on natural titanium up to 34 MeV. Applied Radiation and Isotopes, 2015, 103, 160-165.	1.5	6
82	On the production of 52gMn by deuteron irradiation on natural chromium and its radionuclidic purity. Applied Radiation and Isotopes, 2020, 166, 109329.	1.5	6
83	Production of polonium from bismuth and purification using TBP resin and Sr resin. Journal of Radioanalytical and Nuclear Chemistry, 2020, 324, 823-828.	1.5	6
84	A Monte Carlo Determination of Dose and Range Uncertainties for Preclinical Studies with a Proton Beam. Cancers, 2021, 13, 1889.	3.7	6
85	Comparison between the fragmentation processes in central Pb + Ag and Pb + Au collisions. Nuclear Physics A, 1997, 615, 82-94.	1.5	5
86	Development of a PIXE method at high energy with the ARRONAX cyclotron. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 895-901.	1.5	5
87	Oxidation and/or reduction of manganese species by Î³-ray and He2+ particle irradiation in highly concentrated carbonate media. Radiation Physics and Chemistry, 2016, 119, 142-150.	2.8	5
88	Dynamical analysis of dissipative collisions between Ar and Ag nuclei in the fermi energy domain. Zeitschrift FÃ¼r Physik A, 1996, 354, 321-328.	0.9	4
89	Effects of the mean-field dynamics and the phase-space geometry on the cluster formation. Nuclear Physics A, 1997, 624, 472-494.	1.5	4
90	RADIODETECTION OF COSMIC RAY EXTENSIVE AIR SHOWERS: UPGRADE OF THE CODALEMA EXPERIMENT. International Journal of Modern Physics A, 2005, 20, 6869-6871.	1.5	4

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91	New beam monitoring tool for radiobiology experiments at the cyclotron ARRONAX. Radiation Protection Dosimetry, 2015, 166, 257-260.	0.8	4
92	CODALEMA: A COSMIC RAY AIR SHOWER RADIO DETECTION EXPERIMENT. International Journal of Modern Physics A, 2006, 21, 192-196.	1.5	3
93	Neutron production in neutron-induced reactions at 96 MeV on56Fe and208Pb. Physical Review C, 2011, 84, .	2.9	3
94	EBT2 films response to alpha radiation at 48.3 MeV. Radiation Protection Dosimetry, 2014, 161, 428-432.	0.8	3
95	Radiolytic corrosion of uranium dioxide induced by He2+ localized irradiation of water: Role of the produced H2O2 distance. Journal of Nuclear Materials, 2015, 467, 832-839.	2.7	3
96	Evolution of heavy ions (He²⁺, H⁺) radiolytic yield of molecular hydrogen vs. â€œTrack-Segmentâ€•LET values. Radiochimica Acta, 2017, 105, 487-492.	1.2	3
97	Can We Extract Production Cross-Sections from Thick Target Yield Measurements? A Case Study Using Scandium Radioisotopes. Instruments, 2019, 3, 29.	1.8	3
98	Cross Section Data and Kerma Coefficients at 95 MeV Neutrons for Medical Applications. Journal of Nuclear Science and Technology, 2002, 39, 1298-1301.	1.3	2
99	Elastic Neutron Scattering at 96 MeV. AIP Conference Proceedings, 2005, , .	0.4	2
100	High Energy PIXE at the ARRONAX Facility for Multi Elemental Analysis of Thick Samples. , 2011, , .		2
101	82Sr purification procedure using Chelex-100 resin. Applied Radiation and Isotopes, 2013, 74, 56-60.	1.5	2
102	Investigation of energy dependance for EBT3 response to irradiation with alpha beams. Nuclear Instruments & Methods in Physics Research B, 2019, 454, 56-60.	1.4	2
103	Speciation of technetium in carbonate media under helium ions and Î³ radiation. Radiochimica Acta, 2019, 107, 105-113.	1.2	2
104	New results on the V(p,x)43Sc cross section: Analysis of the discrepancy with previous data. Nuclear Instruments & Methods in Physics Research B, 2020, 464, 32-35.	1.4	2
105	High energy PIXE: New experimental K-shell ionization cross sections for silver and gold and comparison with theoretical values from ECPSSR/RECPSSR models. Nuclear Instruments & Methods in Physics Research B, 2020, 479, 120-124.	1.4	2
106	Bremsstrahlung X-rays as a non-invasive tool for ion beam monitoring. Nuclear Instruments & Methods in Physics Research B, 2021, 500-501, 76-82.	1.4	2
107	Terbium Medical Radioisotope Production: Laser Resonance Ionization Scheme Development. Frontiers in Medicine, 2021, 8, 727557.	2.6	2
108	Electrochemical co-deposition of Niâ€“Gd2O3 for composite thin targets preparation: Production of 155Tb as a case study. Applied Radiation and Isotopes, 2022, 186, 110287.	1.5	2

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109	Production and thickness determination of thin plastic scintillator foils. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 355, 258-260.	1.6	1
110	Neutron-induced light-ion production from Fe, Pb and U at 96 MeV. Radiation Protection Dosimetry, 2007, 126, 123-125.	0.8	1
111	How to produce the highest tin-117m specific activity?. Radiotherapy and Oncology, 2016, 118, S35-S36.	0.6	1
112	Thick multi-layers analysis using high energy PIXE. Nuclear Instruments & Methods in Physics Research B, 2017, 406, 104-107.	1.4	1
113	Thorium-232 fission induced by light charged particles up to 70 MeV. EPJ Web of Conferences, 2017, 146, 04058.	0.3	1
114	Alphatherapy, the new impetus to targeted radionuclide therapy?. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 1362-1363.	6.4	1
115	ARRONAX Cyclotron: Setting up of In-House Hospital Radiopharmacy. BioMed Research International, 2020, 2020, 1-6.	1.9	1
116	Measurements of Inelastic Neutron Scattering at 96 MeV from Carbon, Iron, Yttriumand Lead. Journal of the Korean Physical Society, 2011, 59, 1817-1820.	0.7	1
117	SCANDAL - A Facility for Elastic Neutron Scattering Studies in the 50â€“130 MeV Range. Journal of Nuclear Science and Technology, 2002, 39, 661-664.	1.3	0
118	MEASUREMENT OF 230Pa AND 186Re PRODUCTION CROSS SECTIONS INDUCED BY DEUTERONS AT ARRONAX FACILITY. International Journal of Modern Physics Conference Series, 2014, 27, 1460149.	0.7	0
119	Tb-155 production with gadolinium target: proton, deuteron or alpha beam?. Radiotherapy and Oncology, 2016, 118, S36.	0.6	0
120	How to produce scandium-44 efficiently?. Radiotherapy and Oncology, 2016, 118, S48.	0.6	0
121	Is there an interest to use deuteron beams to produce nonconventional radionuclides?. Radiotherapy and Oncology, 2016, 118, S49.	0.6	0
122	How nuclear data collected for medical radionuclides production could constrain nuclear codes. EPJ Web of Conferences, 2017, 146, 08008.	0.3	0
123	42 Deposited dose measurement using bremsstrahlung X-rays. Physica Medica, 2018, 56, 24.	0.7	0
124	Produire des radionuclÃ©ides grÃ¢ce Ã des accÃ©lÃ©rateurs : les cyclotrons. Revue GÃ©nÃ©rale NuclÃ©aire, 2016, , 23-27.	0.0	0
125	Une plateforme pour lâ€™analyse de matÃ©riaux par faisceaux dâ€™ions Ã ARRONAX. Ã‰tude de lâ€™effet dâ€™humiditÃ© sur les Ã©chantillons. Instrumentation Mesure Metrologie, 2016, 15, 117-127.	0.3	0
126	How radiolysis impacts astatine speciation?. Radiation Physics and Chemistry, 2022, 198, 110224.	2.8	0