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	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
2	How radiolysis impacts astatine speciation?. Radiation Physics and Chemistry, 2022, 198, 110224.	2.8	0
3	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
4	Nuclear data for light charged particle induced production of emerging medical radionuclides. Radiochimica Acta, 2022, 110, 689-706.	1.2	10
5	A Monte Carlo Determination of Dose and Range Uncertainties for Preclinical Studies with a Proton Beam. Cancers, 2021, 13, 1889.	3.7	6
6	Production of scandium radionuclides for theranostic applications: towards standardization of quality requirements. EJNMMI Radiopharmacy and Chemistry, 2021, 6, 19.	3.9	32
7	Overview of the Most Promising Radionuclides for Targeted Alpha Therapy: The â€œHopeful Eightâ€• Pharmaceutics, 2021, 13, 906.	4.5	69
8	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
9	CERN-MEDICIS: A Review Since Commissioning in 2017. Frontiers in Medicine, 2021, 8, 693682.	2.6	22
10	Is 70Zn(d,x)67Cu the Best Way to Produce 67Cu for Medical Applications?. Frontiers in Medicine, 2021, 8, 674617.	2.6	17
11	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
12	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
13	Terbium Medical Radioisotope Production: Laser Resonance Ionization Scheme Development. Frontiers in Medicine, 2021, 8, 727557.	2.6	2
14	Radionuclide candidates for Î²+Î³ coincidence PET: An overview. Applied Radiation and Isotopes, 2020, 155, 108898.	1.5	34
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	First laser ions at the CERN-MEDICIS facility. Hyperfine Interactions, 2020, 241, 1.	0.5	7
20	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
21	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
22	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
23	ARRONAX Cyclotron: Setting up of In-House Hospital Radiopharmacy. BioMed Research International, 2020, 2020, 1-6.	1.9	1
24	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
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	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
27	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
28	Can We Extract Production Cross-Sections from Thick Target Yield Measurements? A Case Study Using Scandium Radioisotopes. Instruments, 2019, 3, 29.	1.8	3
29	New Cross-Sections for natMo(Î±,x) Reactions and Medical 97Ru Production Estimations with Radionuclide Yield Calculator. Instruments, 2019, 3, 7.	1.8	17
30	Speciation of technetium in carbonate media under helium ions and Î³ radiation. Radiochimica Acta, 2019, 107, 105-113.	1.2	2
31	THE RADIOBIOLOGICAL PLATFORM AT ARRONAX. Radiation Protection Dosimetry, 2019, 183, 270-273.	0.8	8
32	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
33	Alphatherapy, the new impetus to targeted radionuclide therapy?. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 1362-1363.	6.4	1
34	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
35	New production cross sections for the theranostic radionuclide 67Cu. Nuclear Instruments & Methods in Physics Research B, 2018, 415, 41-47.	1.4	28
36	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

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37	42 Deposited dose measurement using bremsstrahlung X-rays. Physica Medica, 2018, 56, 24.	0.7	0
38	Production of Sc medical radioisotopes with proton and deuteron beams. Applied Radiation and Isotopes, 2018, 142, 104-112.	1.5	28
39	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
40	Thick multi-layers analysis using high energy PIXE. Nuclear Instruments & Methods in Physics Research B, 2017, 406, 104-107.	1.4	1
41	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
42	Radiolytic Dissolution of Calcite under Gamma and Helium Ion Irradiation. Journal of Physical Chemistry C, 2017, 121, 24548-24556.	3.1	9
43	Terbium Radionuclides for Theranostics Applications: A Focus On MEDICIS-PROMED. Physics Procedia, 2017, 90, 157-163.	1.2	33
44	Immuno-PET for Clinical Theranostic Approaches. International Journal of Molecular Sciences, 2017, 18, 57.	4.1	50
45	How nuclear data collected for medical radionuclides production could constrain nuclear codes. EPJ Web of Conferences, 2017, 146, 08008.	0.3	0
46	Thorium-232 fission induced by light charged particles up to 70 MeV. EPJ Web of Conferences, 2017, 146, 04058.	0.3	1
47	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
48	How to produce the highest tin-117m specific activity?. Radiotherapy and Oncology, 2016, 118, S35-S36.	0.6	1
49	Tb-155 production with gadolinium target: proton, deuteron or alpha beam?. Radiotherapy and Oncology, 2016, 118, S36.	0.6	0
50	How to produce scandium-44 efficiently?. Radiotherapy and Oncology, 2016, 118, S48.	0.6	0
51	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
52	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
53	How to produce high specific activity tin-117 m using alpha particle beam. Applied Radiation and Isotopes, 2016, 115, 113-124.	1.5	11
54	Is there an interest to use deuteron beams to produce nonconventional radionuclides?. Radiotherapy and Oncology, 2016, 118, S49.	0.6	0

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55	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
56	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
57	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
58	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
59	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
60	New beam monitoring tool for radiobiology experiments at the cyclotron ARRONAX. Radiation Protection Dosimetry, 2015, 166, 257-260.	0.8	4
61	Is There an Interest to Use Deuteron Beams to Produce Non-Conventional Radionuclides?. Frontiers in Medicine, 2015, 2, 31.	2.6	13
62	Story of Rubidium-82 and Advantages for Myocardial Perfusion PET Imaging. Frontiers in Medicine, 2015, 2, 65.	2.6	27
63	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
64	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
65	Tumor Immunotargeting Using Innovative Radionuclides. International Journal of Molecular Sciences, 2015, 16, 3932-3954.	4.1	51
66	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
67	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
68	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
69	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
70	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
71	A route for polonium 210 production from alpha-particle irradiated bismuth-209 target. Radiochimica Acta, 2014, 102, 681-689.	1.2	9
72	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

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73	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
74	EBT2 films response to alpha radiation at 48.3 MeV. Radiation Protection Dosimetry, 2014, 161, 428-432.	0.8	3
75	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
76	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
77	82Sr purification procedure using Chelex-100 resin. Applied Radiation and Isotopes, 2013, 74, 56-60.	1.5	2
78	Neutron production in neutron-induced reactions at 96 MeV on56Fe and208Pb. Physical Review C, 2011, 84, .	2.9	3
79	High Energy PIXE at the ARRONAX Facility for Multi Elemental Analysis of Thick Samples. , 2011, , .		2
80	One step purification process for no-carrier-added 64Cu produced using enriched nickel target. Radiochimica Acta, 2011, 99, 627-630.	1.2	19
81	The ARRONAX Project. Current Radiopharmaceuticals, 2011, 4, 186-196.	0.8	16
82	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
83	Geomagnetic origin of the radio emission from cosmic ray induced air showers observed by CODALEMA. Astroparticle Physics, 2009, 31, 192-200.	4.3	115
84	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
85	Elastic scattering of 96 MeV neutrons from iron, yttrium, and lead. Physical Review C, 2008, 77, .	2.9	21
86	Neutron-induced light-ion production from Fe, Pb and U at 96 MeV. Radiation Protection Dosimetry, 2007, 126, 123-125.	0.8	1
87	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
88	Radioelectric field features of extensive air showers observed with CODALEMA. Astroparticle Physics, 2006, 26, 341-350.	4.3	82
89	CODALEMA: A COSMIC RAY AIR SHOWER RADIO DETECTION EXPERIMENT. International Journal of Modern Physics A, 2006, 21, 192-196.	1.5	3
90	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

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91	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
92	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
93	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
94	Elastic Neutron Scattering at 96 MeV. AIP Conference Proceedings, 2005, , .	0.4	2
95	Nucleon-induced reactions at intermediate energies: New data at96MeVand theoretical status. Physical Review C, 2004, 70, .	2.9	42
96	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
97	Elastic neutron scattering at 96 MeV from12Cand208Pb. Physical Review C, 2003, 67, .	2.9	22
98	Elastic neutron scattering at96MeVfromC12andPb208. Physical Review C, 2003, 68, .	2.9	31
99	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
100	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
101	HINDAS A European Nuclear Data Program for Accelerator-Driven Systems. Journal of Nuclear Science and Technology, 2002, 39, 1161-1166.	1.3	23
102	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
103	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
104	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
105	Signature of geometrical effects in heavy-ion reactions below 100 MeV/nucleon. Physical Review C, 1999, 60, .	2.9	8
106	Impact parameter determination in experimental analysis using a neural network. Physical Review C, 1997, 55, 1371-1375.	2.9	34
107	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
108	Excitation energies and temperatures of hot nuclei produced in the reactions of63Cu+197Au at35AMeV. Physical Review C, 1997, 55, 227-243.	2.9	53

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109	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
110	Comparison between the fragmentation processes in central Pb + Ag and Pb + Au collisions. Nuclear Physics A, 1997, 615, 82-94.	1.5	5
111	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
112	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
113	Rotating bubble and toroidal nuclei and fragmentation. Nuclear Physics A, 1996, 605, 403-416.	1.5	12
114	Compressibility probed by linear momentum transfer. Physical Review C, 1996, 53, 1437-1439.	2.9	14
115	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
116	Asymmetric fission barriers and total kinetic energies forHg194,Tb149,In110â€“112,Mo94, andBr75. Physical Review C, 1995, 51, 2813-2816.	2.9	19
117	Effects of Gogny-type interactions on the nuclear flow. Physical Review C, 1995, 52, 2013-2020.	2.9	25
118	On the competition between symmetric and asymmetric fission. Journal of Physics G: Nuclear and Particle Physics, 1995, 21, 1357-1361.	3.6	9
119	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
120	On the plane fragmentation barriers. Journal of Physics G: Nuclear and Particle Physics, 1994, 20, L131-L135.	3.6	11
121	Violent collisions and multifragment final states in theCa40+40Ca reaction at 35 MeV/nucleon. Physical Review C, 1994, 50, 2017-2034.	2.9	47
122	Study of energy deposition in heavy-ion reactions. Physical Review C, 1994, 49, 1040-1044.	2.9	12
123	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
124	Hyperdeformation inDy152at very high spins. Physical Review C, 1993, 47, 1302-1305.	2.9	17
125	On the symmetric fragmentation barrier at finite temperature. Journal of Physics G: Nuclear and Particle Physics, 1992, 18, L153-L158.	3.6	11
126	On nuclear ternary fission. Journal of Physics G: Nuclear and Particle Physics, 1992, 18, 2015-2026.	3.6	34