

Autori	Titlul lucrarii	Journal	Alte informatii	doi	IF	AIS
Dragos BORDESCU, Maria-Alexandra PAUN, Vladimir-Alexandru PAUN, Viorel-Puiu Paun	Fractal analysis of neuroimagistics. Lacunarity degree, a precious indicator in the detection of Alzheimer's disease	U.P.B. Sci. Bull., Series A	80 (4)		0.46	0.09
Dragos Bordescu, Theodor Trausan, Dima Radu, Viorel-Puiu Paun	Fractal analysis study of the axonal tracts	AIP Conference Proceedings	2218(1):030006	10.1063/5.0001032		
Dragos BORDESCU, Rares-Valentin DRAGHICI, Viorel-Puiu PAUN	EXTRACTIONS OF INTRINSIC FEATURES USING THE LACUNARITY HIGHLIGHTED FROM FMRI SOURCES	U.P.B. Sci. Bull., Series A	83 (2)		0.46	0.09
Mahmood MA; Popescu AC; Oane M; Chioibas D; Popescu-Pelin G; Ristoscu C; Mihailescu IN	Grain refinement and mechanical properties for AISI304 stainless steel single-tracks by laser melting deposition: Mathematical modelling versus experimental results.	Physics	22,103880 (2021)		4.02	0.49

Mahmood MA; Popescu AC; Oane M; Ristoscu C; Chioibas D; Mihai S, Mihailescu IN	Three-Jet Powder Flow and Laser–Powder Interaction in Laser Melting Deposition: Modelling Versus Experimental Correlations	Metals	10,1113 (2020)		2.12	0.34
Chioibas D; Mihai S; Mahmood MA; Lungu M; Porosnicu I; Sima A; Dobrea C; Tiseanu I; Popescu AC	Use of X-ray Computed Tomography for Assessing Defects in Ti Grade 5 Parts Produced by Laser Melting Deposition.	Metals	10,1408 (2020)		2.12	0.34
Duta, L.; Neamtu, J.; Melinte, R.P.; Zureigat, O.A.; Popescu- Pelin, G.; Chioibas D; Oktar, F.N.; Popescu, A.C	In Vivo Assessment of Bone Enhancement in the Case of 3D-Printed Implants Functionalized with Lithium-Doped Biological-Derived Hydroxyapatite Coatings: A Preliminary Study on Rabbits	Coatings	10, 992 (2020)		2.44	0.38
Chioibas D ; Călin B; Popescu A; Pușcaș N; Klobčar	INVESTIGATION OF DISSIMILAR LASER WELDING OF STAINLESS STEEL 316L TO ALUMINIUM A1050 IN LAP JOINTS CONFIGURATION	U.P.B. Sci. Bull., Series A	82 (1), pp. 271–278 (2020)		0.46	0.09

Chioibas D; Călin B; Popescu A; Pușcaș N; Klobčar D	Optimization of laser butt-welding of stainless steel 316L using response surface methodology	U.P.B. Sci. Bull., Series A	82(2), (2020)		0.46	0.09
Diana Chioibas, Alexandru Achim, Camelia Popescu, George E. Stan, Iuliana Pasuk, Monica Enculescu, Stefana Iosub, Liviu Duta, Andrei Popescu	Prototype Orthopedic Bone Plates 3D Printed by Laser Melting Deposition,	Materials	12 (6), pp.906, (2019)		2.97	0.61
Chioibas D; Duta L; Popescu-Pelin G; Popa N; Milodin N; Orobeti (Iosub) S; Marinela Balescu L; Galca AC; Popa AC; Oktar FN; Stan GE and Popescu AC	Animal Origin Bioactive Hydroxyapatite Thin Films Synthesized by RF-Magnetron Sputtering on 3D Printed Cranial Implants	Metals	9 (12), pp.1332 (2019)		2.26	0.36
Paun IA; Popescu RC; Mustaciosu CC; Zamfirescu M; Calin BS; Mihailescu M; Dinescu, M; Popescu A; Chioibas D; Sopronyi M; Luculescu CR	Laser-direct writing by two-photon polymerization of 3D honeycomb-like structures for bone regeneration,	BIOFABRICATION	10 (2), pp. 25009 (2018)		6.84	1.2
Chioibas D; Sima A; Dobrea C; Paun I; Popescu A; Luculescu C; Tiseanu I; Puscas N	NON-DESTRUCTIVE OPTICAL ANALYSIS OF POROSITY CONTENT DURING Yt: YAG LASER WELDING OF Al Alloy 1050 USING X-RAY MICRO-TOMOGRAPHY	U.P.B. Sci. Bull., Series A	79 (4), (2017)		0.28	0.09

Luculescu CR; Acasandrei AM; Mustaciosu CC; Zamfirescu M; Dinescu M; Calin BS; Popescu A; Chioibas D; Cristian D; Paun IA	Electrically responsive microstructured polypyrrole-polyurethane composites for stimulated osteogenesis	Applied Surface Science	433 (1), Pag 166-176 (2017)		3.39	0.63
Popescu C; Cristea D; Bitu B; Cristescu R; Craciun D; Chioibas D ; Luculescu C; Paun I; Duta L and Popescu AC	An Experimental Study on Nano-Carbon Films as an Anti-Wear Protection for Drilling Tools	Coatings	7 (12), pp. 228 (2017)		2.18	0.51
C. Porzio, C. Michelagnoli, N. Cieplicka-Oryńczak, M. Sferrazza, S. Leoni, B. Fornal, Y. Tsunoda, T. Otsuka, S. Bottoni, C. Costache, F. C. L. Crespi, L. W. Iskra, M. Jentschel, F. Kandzia, Y.-H. Kim, U. Köster, N. Marginean, C. Mihai, P. Mutti, A. Turturica	Detailed low-spin spectroscopy of ^{65}Ni via neutron capture reaction	Phys. Rev. C	102, 024336 (2020)			
L. W. Iskra, S. Leoni, B. Fornal, C. Michelagnoli, F. Kandzia, N. Marginean, M. Barani, S. Bottoni, N. Cieplicka-Oryńczak, G. Colombi, C. Costache, F. C. L. Crespi, J. Dudouet, M. Jentschel, Y. H. Kim, U. Köster, R. Lica, R. Marginean, C. Mihai, R. E. Mihai, C. R. Nita, S. Pascu, C. Porzio, D. Reygadas, E. Ruiz-Martinez, A. Turturica	γ spectroscopy of the ^{96}Y isotope: Searching for the onset of shape coexistence before $N = 60$	Phys. Rev. C	102, 054324 (2020)			

M. Ionescu-Bujor, S. Aydin, A. Iordăchescu, N. Marginean, S. Pascu, D. Bucurescu, C. Costache, N. Florea, T. Glodariu, A. Ionescu, R. Marginean, C. Mihai, R. E. Mihai, A. Mitu, A. Negret, C. R. Nita, A. Olacel, B. Saygi, L. Stroe, R. Suvaila, S. Toma, A. Turturica	Band structures, lifetimes, and shape coexistence in ¹³⁰ La	Phys. Rev. C	102, 044311 (2020)			
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T. Beck, C. Costache, R. Lica, N. Marginean, C. Mihai, R. E. Mihai, O. Papst, S. Pascu, N. Pietralla, C. Sotty, L. Stan, A. E. Turturica, V. Werner, J. Wiederhold, W. Witt	SORCERER: A novel particle-detection system for transfer-reaction experiments at ROSPHERE	Nucl. Instrum. Meth. A	951, 163090 (2020)			

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A. Gottardo, D. Verney, C. Delafosse, F. Ibrahim, B. Roussiere, C. Sotty, S. Roccia, C. Andreoiu, C. Costache, M.-C. Delattre, I. Deloncle, A. Etile, S. Franchoo, C. Gaulard, J. Guillot, M. Lebois, M. MacCormick, N. Marginean, R. Marginean, I. Matea, C. Mihai, I. Mitu, L. Olivier, C. Portail, L. Qi, L. Stan, D. Testov, J. Wilson, D. T. Yordanov	First Evidence of Shape Coexistence in the Ni Region: Intruder 0 State in Ge	Phys. Rev. Lett.	116, 182501 (2016)			

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Victor-Cristian Palea· Liliana A. Preda	The control of intensity peak dynamics for paraxial waves	Journal of Engineering Mathematics	115(1), 89-98 (2019)			

Victor-Cristian Palea ¹ and Liliana Preda ¹	ISOTIMIC CURVES FOR DESCRIPTION AND CONTROL OF INTENSITY PROFILE DYNAMICS OF SOLUTIONS TO THE PARAXIAL WAVE EQUATION	U.P.B. Sci. Bull., Series A	81(2) (2019)			
Victor-Cristian Palea, Liliana Preda	Construction of finite non-diffractive and self-acceleratin glaser beams	Mathematical Methods in the Applied Sciences	44(14), 11157-11165 (2021)	10.1002/mma.7478		
VICTOR-CRISTIAN Palea, LILIANA Preda	FORWARD-BACKWARD PROPAGATION ALGORITHM FOR PHASE MASK DESIGN IN THE PARAXIAL APPROXIMATION	Romanian Journal of Physics	67, 203			
Stan Lucian						
A Khaliel, TJ Mertzimekis, FCL Crespi, G Zagoraïos, D Papaïoannou, N Florea, A Turturica, L Stan, N Mărginean	Experimental study of the 2n-transfer reaction ^{138}Ba (^{18}O , ^{16}O) ^{140}Ba in the projectile energy range 61–67 MeV	Europhysics Letters	128(6) (2020)			

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M. Boromiza, C. Borcea, P. Dessagne, D. Ghita, T. Glodariu, G. Henning, M. Kerveno, N. Marginean, C. Mihai, R. Mihai, A. Negret, C. Nita, M. Nyman, A. Olacel, A. Oprea, A. J. M. Plompen, C. Sotty, G. Suliman, R. Suvaila, L. Stan, A. Turturica, G. Turturica	Nucleon inelastic scattering cross sections on O-16 and Si-28	Phys. Rev. C	101, 024604 (2020)			
A Khaliel, TJ Mertzimekis, FCL Crespi, G Zagoraios, D Papaioannou, N Florea, A Turturica, L Stan, N Mărginean	Experimental study of the 2n-transfer reaction $^{138}\text{Ba}(^{18}\text{O}, ^{16}\text{O})^{140}\text{Ba}$ in the projectile energy range 61–67 MeV	Europhysics Letters	128(6) (2020)			
T.Beck, C.Costache, R.Lică, N.Mărginean, C.Mihai, R.E.Mihai, O.Papst, S.Pascu, N.Pietralla, C.Sotty, L.Stan, A.E.Turturică, V.Werner, J.Wiederhold, W.Witt	SORCERER: A novel particle-detection system for transfer-reaction experiments at ROSPHERE	NIM A	951 (2019) 163090			

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L.Stan and C.Clisu	SIMPLE MONTE-CARLO METHODS IMPLEMENTED IN ROOT FOR FITS USING PARAMETERS WITH ERRORS	U.P.B. Sci. Bull., Series A	82(2) (2020)			

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T. Daniel, S. Kisyov, P.H. Regan, N. Marginean, Zs. Podolyak, R. Marginean, K. Nomura, M. Rudigier, R. Mihai, V. Werner, R.J. Carroll, L. A. Gurgi, A. Oprea, T. Berry, A. Serban, C. R. Nita, C. Sotty, R. Suvaila, A. Turturica, C. Costache, L. Stan, A. Olacel, M. Boromiza and S. Toma	γ -ray spectroscopy of low- lying excited states and shape competition in Os 194	PHYSICAL REVIEW C	95, 024328 (2017)			

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A Khaliel, TJ Mertzimekis, FCL Crespi, G Zagoraios, D Papaioannou, N Florea, A Turturica, L Stan, N Mărginean	Experimental study of the 2n-transfer reaction $^{138}\text{Ba}(^{18}\text{O}, ^{16}\text{O})^{140}\text{Ba}$ in the projectile energy range 61–67 MeV	Europhysics Letters	128(6) (2020)			
T.Beck, C.Costache, R.Lică, N.Mărginean, C.Mihai, R.E.Mihai, O.Papst, S.Pascu, N.Pietralla, C.Sotty, L.Stan, A.E.Turturică, V.Werner, J.Wiederhold, W.Witt	SORCERER: A novel particle-detection system for transfer-reaction experiments at ROSPHERE	NIM A	951 (2019) 163090			

N Cieplicka-Oryńczak, B Fornal, M Ciemała, Maria Kmieciak, Adam Maj, J Lukasik, P Pawłowski, B Sowicki, B Wasilewska, M Zieblinski, J Grebosz, M Krzysiek, M Matejska-Minda, Katarzyna Mazurek, Y Jaganathen, S Leoni, C Boiano, S Brambilla, Serena Ziliani, S Bottoni, Angela Bracco, F Camera, LW Iskra, MN Harakeh, C Clisu, N Florea, N Marginean, R Marginean, L Stan, I Burducea, DA Iancu, Michele Sferrazza, M Ploszajczak, P Kulesa	Decay of the “Stretched” M4 resonance in ^{13}C	Acta Physica Polonica B, Proceedings Supplement	13 (2020) 389	10.5506/AP hysPolBSup p.13.389		
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Lică R., Rotaru F., Borge M. J. G., Grevy S., Negoită F., Poves A., Sorlin O., Andreyev, A. N., Borcea R., Costache C., De Witte, H., Fraile L. M., Greenlees P. T., Huyse M., Ionescu A., Kisiov S., Konki J., Lazarus I., Madurga M., Mărginean N., Mărginean R., Mihai C., Mihai R. E., Negreț A., Nowacki F., Page, R. D., Pakarinen J., Pucknell V., Rahkila P., Rapisarda E., Șerban A., Sotty C. O., Stan L., Stănoiu M., Tengblad O., Turturică A., Van Duppen P., Warr N., Dessagne Ph., Stora, T., Borcea C., Călinescu S., Daugas J. M., Filipescu D., Kuti I., Franchoo S., Gheorghe I., Morfouace P., Morel P., Mrazek J., Pietreanu D., Sohler D., Stefan I., Suvaila R., Toma S., Ur C. A	Normal and intruder configurations in Si-34 populated in the beta- decay of Mg34 and Al-34	Phys. Rev. C	100, 034306			
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