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2	Cîrmaci MV, Orban OD, Țigănescu VT, Rotariu T	Handgun mechanisms analysis	ICOSSE `07	-	243-248	2007	1790-5117
3	Alexandru Ghiban, Ana Eva Jimenez Ballesta, Noelia Gonzalez Morales, Liviu Daniel Pirvulescu, Brandusa Ghiban, Tudor Viorel Tigănescu	Heat Treatment Influence on the Wear Behaviour of Titanium- Molybdenum Biomedical Alloys	Revista de chimie	53(6)	-	2016	0034-7752
4	Doru Grădinaru, Liviu Paschia, Marius Cîrmaci, Florin Timplaru	Helicopter Safety Evaluation When Inside Accidental Explosion Occurs	Applied Technical Sciences and Advanced Military Technologies, Book Series: Knowledge Based Organization International Conference	-	80-86	2011	1843 – 6722
5	Alexandru Ghiban, Brandusa Ghiban, Nicolae Serban, Tudor Viorel Tigănescu	Hot Working Behaviour of a New Dental Alloy	Revista Materiale Plastice	53(4)	-	2016	2537-5741



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7	T. Rotariu, T. Zecheru, E. Rusen, D.-A. Goga, C. Cincu	Kinetic study of a new flame-retardant polymer composition	Revista de Materiale Plastice	48(1)	83-87	2011	2537-5741
8	Cîrmaci Matei, Marius Valeriu, Rotariu, Adrian Nicolae	Methods to assess the effects of high rate mechanical stress on the human body	Journal of Biotechnology	231	-	2016	0168-1656
9	Gabriela Toader, Traian Rotariu , Edina Rusen, Jérémie Tartiere, Sorin Eșanu, Teodora Zecheru, Izabela- Cristina Stancu, Andrada Serafim, Bogdan Pulpea	New solvent-free polyurea binder for plastic pyrotechnic compositions	Revista de Materiale Plastice	1	-	2017	2537-5741
10	Teodora Zecheru, Ciprian Său, Claudiu Lăzăroaie, Cătălin Zaharia,Traian Rotariu, Paul-Octavian Stănescu	Novel formulations of ballistic gelatin. Rheological properties	Forensic Science International	263	204-210	2016	0379-0738
11	Gabriela Toader, Edina Rusen, Mircea	Novel polyurea polymers with enhanced mechanical properties	Applied Polymer Science	133(38)	45061	2016	0021-8995



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13	Moldoveanu C.E., Boisson H.C., Giovannini A., Moraru F.	Numerical Simulation of Longitudinal Counter-Rotating Vortices Pair in Interaction with Ground	FMA'07	-	223-228	2007	1109-2769
14	Cîrmaci Matei Marius Valeriu	Numerical simulation of temporary cavity related to ballistic trauma caused by flechette ammunition	Journal of Biotechnology	231	-	2016	0168-1656
15	Eugen TRANĂ, Florina BUCUR, Adrian N. ROTARIU	On the fragmentation of explosively- driven plastic/steel layered cylinders	Revista de Materiale Plastice	55 (4)	521-523	2018	2537-5741



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17	T. Zecheru, T. Rotariu, E. Rusen, B. Mărculescu, F. Miculescu, L. Alexandrescu, I. Antoniac, I. Stancu	Poly(2-hydroxyethyl methacrylate-co-dodecyl methacrylate-co-acrylic acid): synthesis, physico-chemical characterisation and nafcillin carrier	Journal of Materials Science: Materials in Medicine	21(10)	2793-2804	2010	0957-4530
18	T. Zecheru, C. Zaharia, A. Sălăgeanu, C. Țucureanu, E. Rusen, B. Mărculescu, T. Rotariu, C. Cincu	Polymeric biocompatible structures for controlled drug release	Journal of Optoelectronics and Advanced Materials	9(9)	2917 – 2920	2007	1454-4164
19	Paschia Liviu, Rotariu Adrian, Cîrmaci Marius, Nastasescu Vasile	Preliminary evaluation of a new terminal ballistic test setup	Applied Technical Sciences and Advanced Military Technologies, Book Series: Knowledge Based Organization International Conference	-	144-149	2011	1843 – 6722



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21	T. Rotariu, T. V. Tiganescu, S. R. Esanu, C. Enache, R. Stefanoiu	Researches on the efficiency of diphenylamine addition to aged nitrocellulose propellants	Revista de chimie	64(9)	936-941	2013	0034-7752
22	Geanta, V; Chereches, T; Lixandru, P.; Voiculescu, I.; Stefanoiu, R.; Dragnea, D.; Zecheru, T.; Matache, L.	Simulation of Impact Phenomena on the Composite Structures Containing Ceramic Plates and High Entropy Alloys	IOP Conference Series- Materials Science and Engineering	209	-	2017	1757-8981
23	Nuțu V., Moldoveanu C.E., Șomoiaș P.	Some Aspects of the Oscillatory Regime of Nonlinear Systems with Relay and Delay Time	ACMOS'09	-	395-400	2009	1790-5117
24	Traian Rotariu, Doru Goga, Viorel Țigănescu, Tudor Cherecheș, Marius Cîrmaci	Some aspects regarding testing procedures for 9x19 mm ammunition system while evaluating ballistic and safety characteristics during life cycle	ICOSSE '07	-	168-172	2007	1790-5117
25	Alexandru Ghiban, Brandusa Ghiban, Ildiko Peter, Mario Rosso, Ioan Dan, Tudor Viorel Tiganescu	Structural Behaviour of CoCrMoTi(Zr) Alloys for Dental Application	Revista Materiale Plastice	53(3)	-	2016	2537-5741
26	T.Tiganescu, T.Rotariu, S.Esanu, T.Zecheru	Studies Regarding the Effectiveness of Stabilizer “Revival”	Revista de chimie	65(9)	1042-1045	2014	0034-7752



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28	T.Zecheru, T. Rotariu (autor de corpondență), L.Matache, A.Sava, A.Voicu, R.Lungu, L.Cosereanu	Synthesis and Applications of 3-nitro-1,2,4-triazol-5-one based Hybrid Energetic Compositions	Revista de chimie	65(10)	1186-1189	2014	0034-7752
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30	C. Lăzăroaie, S. Eșanu, C. Său, R. Petre, P.Z. Iordache, G. Staikos, T. Rotariu, T. Zecheru	Temperature measurements of magnesium- and aluminum-based flares	Journal of Thermal Analysis and Calorimetry	115(2)	1407-1415	2014	1388-6150
31	Moldoveanu C.E., Edu I.R., Rotariu T., Andrusac G.	The Impact of Erasmus Mobility on Military Technical Higher Education	INTED 2015	-	4233-4238	2015	2340-1079



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33	Marin Lupoae, Francois Windeck, David Breaud, Cătălin Baciu	The masonry behaviour under contact detonation	Urbanism Architecture Constructions	8(1)	81-90	2017	2069-6469
34	Șomoiaș P., Moldoveanu C.E.	The Numerical Simulation for the Determining of the Oscillations witch Appear in Launching Site During Firing	KBO 2010	-	136-142	2010	1843-6722
35	Alexandru Dena, Marius Valeriu Cîrmaci Matei	The presence of forensic experts and technical experts at crime scene investigations	International Scientific Conference ROMANIAN EDUCATIONAL SYSTEM OF FORENSIC SCIENCE 4th Edition	-	-	2016	2501-3742
36	Marin Lupoae, Cătălin Baciu, Daniel Constantin	Theoretical and experimental research on progressive collapse of RC frame buildings	Urbanism Architecture Constructions	4(3)	71-87	2013	2069-6469
37	Traian ROTARIU, Constantin ENACHE, Doru-Adrian GOGA, Gabriela TOADER, Izabela-Cristina Stancu, Sorin ESANU, Eugen TRANA	Theoretical and experimental studies on new plastic pyrotechnic compositions	Revista de Materiale Plastice	2	-	2016	2537-5741



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39	Bogdan Pulpea, Ioan Vedinaș, Eugen Trană, Teodora Zecheru, Traian Rotariu	Thermal systems capabilities through infrared obscurants	Journal of Optoelectronics and Advanced Materials	19(1-2)	-	2017	1454-4164
40	Qui Long Yan, Waldemar A. Trzciński, Stanisław Cudziło, Józef Michał Paszula, Trană Eugen, Matache Liviu, Traian Rotariu, Michael Gozin	Thermobaric Effects Formed by Aluminium Foils Enveloping Cylindrical Charge	Combustion and Flame	165(2)	102-112	2016	0010-2180
41	Carmen Lazau, Tanța- Verona Nicolescu (Iordache), Ana- Mihaela Florea, Corina Orha, Cornelia Bandas, Anita-Laura Radu, Andrei Sarbu, Traian Rotariu	Towards developing an efficient sensitive element for trinitrotoluene detection: TiO ₂ thin films functionalized with molecularly imprinted copolymer films	Applied Surface Science	-	-	2016	0169-4332



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43	Geanta, V; Chereches, T; Lixandru, P.; Voiculescu, I.; Stefanoiu, R.; Dragnea, D.; Zecheru, T.; Matache, L.	Virtual testing of composite structures made of high entropy alloys and steel	METALS	7(11)	-	2017	2075-4701
44	Gabriela Toader, Paul-Octavian Stănescu, Teodora Zecheru, Traian Rotariu, Abdelkrim El-Ghayoury, Mircea Teodorescu	Water-based strippable coatings containing bentonite clay for heavy metal surface decontamination	Arabian Journal of Chemistry	-	-	2016	1878-5352
45	Stanciu S, Cîrmaci MV, Berghea F, Blaj Ș	A functional noninvasive method for early detection the damage of cartilage joint using vibroacoustic and thermic spectrums	Annals of the Rheumatic Diseases	66	A34	2007	0003-4967
46	Nuțu V., Moldoveanu C.E., Șomoiaș P.	A Method for Calculus of Oscillatory Regime Parameters for Systems which Include a Nonlinear Parts Inside of Controlled Plant	ACMOS'09	-	401-406	2009	1790-5117



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49	E. Rusen, B. Mărculescu, L. Butac, T. Zecheru, F. Miculescu, T. Rotariu	Acrylic cements for dental prosthetics	Journal of Optoelectronics and Advanced Materials	10(12)	3436-3441	2008	1454-4164
50	Somoiag P., Moldoveanu C.E.	Air and Ballistic Missile Defense Systems	KBO 2009	-	298-300	2009	1843-6722
51	Pulpea Gheorghe Bogdan	Aspect regarding the development of pyrotechnic obscurant systems for visible and infrared protection of military vehicles	The 21th International Conference - The Knowledge-Based Organisation - Applied Technical Sciences and Advanced Military Technologies	-	-	2015	1843 – 6722



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53	Alil LC, Arrigoni M; Badea S; Ginghina R; Matache LC; Mostovykh P.	Ballistic study of Tensylon (R)-based panels	EXPRESS POLYMER LETTERS	12(6)	491-504	2018	1788-618X
54	Marius Valeriu Cîrmaci Matei, Alexandru Dena, Lavinia Haller	Bullet engraving simulation. Interior ballistics and forensic view	International Scientific Conference ROMANIAN EDUCATIONAL SYSTEM OF FORENSIC SCIENCE 5th Edition	-	-	2017	2501-3742
55	Istode L, Cîrmaci MV	CAE techniques investigation of rocket parts malfunction	ICOSSE '07	-	249-253	2007	1790-5117
56	Traian Rotariu, Răzvan Petre, Teodora Zecheru, Muhamed Suceska, Nicoleta Petrea and Sorin Eșanu	Comparative Study of 9×19 mm Ammunition Combustion Products and Residues	Propellants, Explosives and Pyrotechnics	40(6)	931-937	2015	0721-3115



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59	Gabriela TOADER, Edina RUSEN, Mircea TEODORESCU, Aurel DIACON, Paul O. STĂNESCU, Ciprian SAU	Effect of chain length of polymeric aliphatic diamines on thermal and mechanical properties of polyurea films	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	78(4)	12-18	2016	1454-2331
60	K. Iliopoulos, I. Guezguez, A.P. Kerasidou, A. El-Ghayoury, D. Branzea, G. Nita, N. Avarvari, H. Belmabrouk, S. Couris, B. Sahraoui	Effect of metal cation complexation on the nonlinear optical response of an electroactive bisiminopyridine ligand	Dyes and Pigments	101	229-233	2014	0143-7208
61	Gabriela Nita, Diana Branzea, Flavia Pop, Abdelkrim El-Ghayoury, Narcis Avarvari	Electroactive Bisiminopyridine Ligands: Synthesis and Complexation Studies	Crystals	2	338-348	2012	2073-4352



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63	Ana Mihaela Florea, Tanța Verona Iordache, Ana-Maria Zaharia, Bianca Georgescu, Andreea Elena Voicu, Boiko Tsyntsarski, Gheorghe Hubcă, Andrei Sârbu	Evaluation of molecularly imprinted polymer pearls for selective isolation of hypericins	Revista de Materiale Plastice	54 (3)	495-501	2017	2537-5741
64	Eugen TRANĂ, Adrian-Nicolae Rotariu, Paul Lixandru, Liviu-Cristian Matache, Constantin Enache, Teodora Zecheru	Experimental and numerical investigation on 6082 O temper aluminium alloy cartridge tubes drawing	Journal of Materials Processing Technology	216	59-70	2015	0924-0136