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Curriculum vitae Europass



Informatii personale

NumefPenume	Buzatu T. Mihai
Adresă(e)	
Telefon(oane)	(
E-mail(uri)	t
Naționalitate(-tăț)	Română

Experiența **profesională**

Pei1oada	1972 - prezent
Funcția sau postul ocupat	asistent, șef lucriri, conferențiar, profesor
Activită(i șiresponsabilitâ(i principale	Activităț didactice, de cercetare, in prezent șeful catedei Ingineria și Managementul Elaborării Materialelor Metalice, Ingineria Valorifcarii Deseurilor, Expert pe termen lung/Conducător de doctorat în domeniul Ingineria Materialelor
Numele și adesa angajatorului	Universitatea Politehnica București
Tipul activităȘi sau sectorul de activitate	Educa(ie, Cercetare

Limba(i) străină(e) cunoscută(e)

Autoevaluare	Înțelegere				Vorbire				Scriere	
N¡veleurop88n {°j	Ascultare		Citire		Participat la conversaț		Discurs oral		Exprmare scrisă	
En	B2	Mediu	B2	kediu	B2	Mediu	B2	Mediu	B2	kediu
Fr	B2	Mediu	B2	Nediu	B2	Mediu	B2	Nediu	B2	Nediu

Competen(e și apttudini organizatorite	Manager de prolecte de cercetare

Informații suplimentare	Membru SRM Member CERTIP Organism N•t' ^al de Certificare a Personalului din nvă(ământul Superior Member CERSIS Organism Na(ional de Certificare a Sistemului de Management al Calilății din Învă(ământul Superior Membru CNATDCU Consiliului National de Atestare a Titlurilor, Diplomelor si +ertificalelor Universitate Două premii na(ionale UEFISCDI penlru lucrări din 2014 și Z015 Director Departament 2008-2016 Director Scoala Doclorală SIM 2016- Referent științific Hydrometallurqy - Elsevier, ISI FI = 2.224 Referent științific Engineering Science and Technology, an International Joumal - Elsevier, ISI FI = 1.106 Re(erent șliințific Waste Management - Elsevier, ISI FI = 3.157 Referent șliințific Trans Teth Publicatons - Advenced Materials Research Referent științifc U.P.B. Sci. Bull., Series B

Recenzli:

Referent §tiiațific la revisTîî IMI/ inîerna{ionaI8 (denumire articol, reviste)
Recov¢ry oF Co metal rind Elcclrolytic Mangcncs¢ Dioxide (EMD) From Co-Mn s)uJgc - I Iydr‹›metoIlurgy IJYDROM- D-14-0fT474, Hydromclol l url. QG
Mutal)urgical and Mechanical Channel rization of A)6082/ Gr Particulates Composites - Engineennp Science anJ Technelopy - JESTCH -D-] 4-00293, Enɢineering Science and Technology, en International Journal, Q1
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Leaching of gold from waste printed ciicu ii boards of mobile phone by iodide lixiviant ofier supercriticol 'alcr pre-treatment - WM- 14- 1882, Waste 6Janagemt nt, IF=3.157, 20 IS
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ElTect oFgH on Desulphurization oF Spent Lead PaSle via Hydrometallurgicol Proccss- HyJromelallurgy' IJYDROfvI-D-] 6-00039, Hydrometallurgy, Q1
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JOIvtJ-D-1 S-t)08l)() Leaching l›uha\'ior oF Lead and Silver Fr‹Jin Lead 5ulFatc I-Tazarduus ftesiduus in NuC'I-CaCl2-NaC'1O3 Media .TOM QT, 2lllg
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Lucrâri DUblicate

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Nloulesou, F.Email Author, filorea, **B.Email** Author, Buzatu, M.Emall Author, Ghlca, G.V.	Visual basic application for calculation of the superficial tension of solutions In the Cu5O4 - H2SO4 - H2O system	20¥8	UPB Sclentlflo Bulletin, Serles **B:**	80	2	249 261		art
Ardeleanu, D.-A.aEmall Author, Ghlca, V.G.aEmail Author, Buzatu, M.aEmall	Analysis of an automotive piston uslng finlte element method	**2018**	UPB Sclentfflc Bulletin, Serles	80	3	195 206		an
Istrate, E.a, Petrescu, M.I.a, lacob, 0.a, Buzatu, T.b, Ghlca, **V.G.a, Buzatu,** M.aEmall Author, Mlculessu, fi.	Extraction and separation of nonferrous and pre¢lous metals from waste of electrical and electronle equlpment through ferrlc sulfate leading and eiectroiy›n gt	**2018**	Journal of chemical Technology and Biotechnology	ss	to	zsss	a.1as	an
Turcu, A.M.aEmall Author, Ghlca, V.G.aEmail Author, vegiio, r.ucm>ii Author, Buzatu, M. Petrescu, M.-I.aEmall Author, lacob, G.aEmaII Author, Bfrloagâ, LbEmall **Author**	**Catalytic paste solubilization** researches regarding the cobalt **recovery from used li-ion** batteries - Anova applloatlon	////	**UPB Scientific Bulletin, Series B:**	**80**		Z94		**art**
Bivol, L.R.a, Ghica, G.V.bEmaTl Author, Buzatu, M.a, Petrescu, M.I.a, lacob, G.a, Vaslle, E.a, Gheorghe, D.a, Kovâcs, T.A.b	Metallographlc Study of XIX Century Oklads Belonging to Russian icons	**2018**	**2018** EUROINVENT International Conference on Innovative **EUROINVENT ICIR 2018;** Palace of **Culturelasi;** Romania; ¥7 May 20t8 through GB May Z0y8; Code **137254**	**374**	**1 12**			**conf**
Marcu, D.fi., Buzatu, M., Ghlca, V.G., Petrescu, M.T., Popescu, G., Nlculescu, F., lacob,	Experimental Characterization of Aluminum-Based Hybrid €omposltes Obtained Through Powder Metallurgy	201B	**2018** EUROINVENT International **Conference on** Innovative Research, EUROINVENT icin zola; Palace of Culturelasl; Romania; 17 May 2018 through y8 May **137254**	**374**	**1 12**			**conf**

lorna ¢SAttI1,a, Slgrun lana **KARLsDoTTTRz,b,** steluta **5£RGHIU}A£,¢,GabrTela** POPESCU¥,d, Mlhal eUZATUy,e, Mura **Elena GEAMBA2U1,f,Clprlan** Ale*andru MANEA	CoCrfieNlMo High Entropy Alloy **Produced by Solid State Processing**	**2017**	Key Englneerlng Materials	**750**		IS ¥9		
M Tamar, G V **Ghlcay,** M Buzatu3, M I **Petrescu1, E Vasile1 and G Iacob**	A Recovery Process of A¢tlve Cathode Paste from Spent M-lan Batteries	20¥7	IOP conf. Series: Materials Silence and	209		**1 8**		**conf**
Florentina Niculescu, Dragos Marcu, Stefan **Burclu,** Mlhal Bueatu, lonut Mlrcea Petrescu, Gheorghe Iacob	**EXPERIMENTAL RESEARCHES** REGARDING THE QZ	2017	Journal of Phase EqulTlbrla and Dfffuslon	38	5	700 706	**1.315**	**Article**
Tralan euzatu, Gabrlel valerlu Ghlca, lonut Mlrtea Petrescu, Gheorghe Iaco6, M1hal Buzatu', filorentlna Nlculescu	STUDIES ON **MATHEMATICAL** MOD£L]NG OF THE LEACHING PROCESS IN ORDER TO EFFICIENTLY RECOVER L£AD FROM THE SUL£ATE/OXIDE LEAD PASTE qt	2017	Waste Management	30		713 733	4.723	Article
Florentlna NICULESCU, *iof* CONSTANTIN, Mlhal BUZATU, Dragos filorln	THE THERMODYNAMIC PROPERTIES OF THE Pb-Sb SYSTEM	2°'6	**U.P.B. Sci.** Bull., ,er,es B	78	4	**215** »‹	D	Art'cle
Mahal BUZATU, §tetan *load* GHICA, Eugenla vAsirE, victor SEANTA, Radu $TEFANOTU, Mlrcea lonut PETRESCU, Gheorghe IACOB,MlhaI BUKU, Mlrela SOHACIU	ON THE DESIGN OF NEW §-PHASE TITANIUM ALLOYS Ti-Mo-W	1016	U.P.8. Sci. Bull., Serler 8	78	3	///	0	Anicle
TOMA Crlstlna-Mâdâllna, GI•jlCA Valerlu-Gabriel, BUZATU Mlfiial, PETRESCU Mlrcealonut, Iacob Gheorgfie, ANTONIAC Vaslle lullan, COTRU} MlhalCosmin, VEGLIO Francesco	Recovery *ol 9.cfiiue* Cathode Material Contalning Co and LI From Waste u-ion Batteries	Z0y6	ROMAT 6th Conference on Materials Science and technologles, 0g-12th nov. **2036**			118		Conf Paper
Csakl, I., Farlsdottlr, S.N., Serg^!°t^, ^ , Popescu, G., Buzatu, M., Geambazu, L.E., Manea, C.A	Toward ensuring tetel worklng saftey of the metal products by testlng them with automated PA and Cobra system	20'*	RDMAT 6t/i Conference on Materials Science and teChnOlOgleS, 09-1Zth nov. 20y7			gg		Conf Paper
Gabriel Valerlu GHICA, Mlhal BUZATU, Io^•t Mlrcea PETRESCU, Gfieorghe IACOB, Augustln SEMENESCU, Tflnde Anna fiOVACS-COSKUN	Researches Concernlng the Modlfication of the AlloyAI5I12CuNIMg	*"*	ROMAT 6th Conference on Materlals Science and technologles, 09-y2th nov. Z036, p.T03			103		Conf Paper

Adrlan IOANA, Florina Eliza ISTRATE, Mlhal BUZATU, MTrcea IonułPETRESCU, August!n SEMENESCU, Mlrela SOHACIU	ANALYS\S Ofi COLLECTING AND RECYCLING OF COME	2016	U,P.B. Sci. Bu\\., Series B	78	2	21d	0.000	Anlcle
A. Ioana,M. Buzatu A. semenescu, N. Rawal 5. Ral, 5.K. Duggal	**AGa eatheWoró Q***	2016	Waste Management	53		I..IV	4.723	Anicle
G. V. GHICA, M. BUZATU, I. M. PETRESCU, G. IACO8	Alloy 5083 (AIMg4.5Mn0.7Cr0.MS) obta)ned uslng rapldly solldified master alloys	**20T5**	JOAM	17	5..6	799 805	0.563	Anlcle
Alexandru GhI8AN, Mlha) BUZATU , Br9ndu}a **GHIBAN** , Sorin cIUC4	FRACTOGRAPHIC ASPECTS OF THE DFNTAL CoCrMoTl ALLOYS	zols	UPB Sclentlflc Bulletln, Serles e: Chem)stry and Materlals Sclence	77	4	/19	0.000	Article
T. BUZATU, GENICA BADANOIU, V. G. GHICA, M.I BUZA7U	EX9ERIME**NTAL RESEARCH ON** LEAD £XTRAETION FROM AL¥ALINE SOLUTIONS BY ELECTROLYSIS	2015	Revlsta de Chimie	66	8	1147-1150	1.412	Article
Alexandru Ghlban, Brgnąu§a Gh\ban, Cristina Maria Bortun, Nlcolae Şerban, Mlhal Buzatu	Mechanical Behavior for Some Cobalt Alloys	2015	Adyanced Materials Research	1114		9 12	,,, - -,-	Conf Paper
Ajexandru GHIBAN, Mihal BUZATU, Cristlna Marla BORTUN, Brandusa Gj-II8AN, Nlcolae 5ER8AN	Laser weldlng optImIzat)on procedure applied to cobalt alloys for removable partial dentures	20tS	Advanced Materials Researcfi	1114		277	"	Conf Paper
Alexandru Gh!ban, Branduga Gh Iban, Cristina Maria Bonun, MIhal Buzatu	Structural Analysis of the Laser Weldlng Co-Cr-Mo-(Ti) Alloys for Removable Partlal Dentures	20T5	hey Englneerlng Materlals, 638 (Z0z5}, p91•97	638		91 97	0.000	Conf Paper
MIhal Buzatu, Emllia Talpoş, Mlrcea Ionuţ Petrescu, Gabriel Va \eriţJ GhiC8	WATER-JACKET READ SLAG THOROUGH CHARACTERIZATION or iN view or vacORIZING IT AS A STRUCTURAL MATERIAL	2015	E£MJ				1.Z58	Anlcle
Traląn Buzatu, Mlrcea Ionut Petrescu, Valeriu Gabrlel Ghlca, Mlhal 8uzatu, andGheorghe lacob	Processlng oxldlc waste of lead-acid batteries In order to recover lead Q3	ZD15	Asia-Pacific Journal of Chemlcal Eng\neertng	10		125 132	1.238	Article
TRAIAN BUZATU, VAL£RIU GABRIEL GHICA, MIHAI BUZATU, GHEORGHE IACOB	SoIub1IIsatIon Kinetics of the Lead Hydroxide In Acetic Acld, (Bucharest}, 66, No. 2, 2D15, p.284-289, FI=0.677 Q3	2015	REV. CHIM.	66	2	289	1.4 2	Article
Butatu. Î., Talpo§, E., Petrescu, M.I., Gh!ca, V.G„ lacob, G., 8uzatu, M.	Utllization of granulated lead slag as a structural material In roads constructions Q3	203S	Jouinal of Materlal Cycles and Waste Management	17	4	717	1.693	Article in Press
Gfieorghe lacob, Valeriu Gabriel Ghlca, IViihal Buzatu, Tralan Buzatu, M|rcea)onut Petrescu	Studies on wear rate and micro-hardness of the Al/Al2O3/Gr hybrid composites produced via powder metallurgy of	**ZD15**	omposltes paLt			//	4.723	Article

ALEXANDRU GHIBAN3, BRANDUSA GHI6AN, CRISTINA MARIA BORTUN, MIHAI eUZATu	Structural Investigatlons in CoCrMo(Ti) Welded Dental Alloys Q4	2014	REV. CHIM.	65	11	1314 1318	:t.g 12	Article
§1efan Alexandru ADAM, Mihal BUZATU, Mlrcea Ionu\ PETRESCU	THERMOELECT'RIC POWER IN LIQUID COMPOSITIONS **RICHER** IN 5 THAN TL2S SEMICONDUCTOR COMPOUND	2014	U.P.B. dci. Bull Series A	76	4	227 238	0.365	Article
Bădănoiu, G., Buzatu, T., Ghlca, V.G., Buzatu, M., lacob, G., Petrescu, I.M.	Study of PbSO4 solublllsatlon In Na0H solution, for the treatment of oxlde•sulphate pastes obtained from d lsmembered lead-acld batteries	Z0T4	LIPB Sclentlflc Bulletln, Series B: Chemistry and Materlals Science	76	1	209 218	0.000	Article
8uzatu, M., Moldovan, P., Vonlca, D., Semenescu, A., lacob, G.	Mathematical mode))ng oT the filtration process of aluminum melts	2014	UPB Sc)entlflc Bu))et)n, 5er)es B: Chemistry and Materials Science	76	2	213 224	D.000	Anlcle
Buzatu, M., Sâceanu, 5., Petrescu, M.I., Ghlca, G.V., Buzatu, T.	Recovery of zinc and manganese from spent batteries by reductive leachlng in acidlc media Q3	20z4	Journal of Power Sources	247		6J 2 617	6.945	Article
Adam, S.A., Buzatu, M., Petrescu, M.I.	Thermoelectric power for liquid TL-S alloys correlated to the phase diagram	2014	UPB Scientlflc Bulletin, Series B: Chemistry and Materials Sclence	76	3	194	0.000	Artic'e
Ghlca, V.G., Blzatu, M„ lacob, G., Petrescu, M.I.	Electron mlcroscopy researches on the mlcrostructure of Inconel 718 alloy	20'l4	Revlsta Chlmle	65	1	/)	t.412	Article
8adanolu, G., Buzatu, T., Buzatu, M., Butu, M	Study concernlng PbO solubility In NaOH solution for the treatment of sulfate-oxlde pastes obtained from dismantling used lead-acid batteries	20T3	Revista de Chlmle	4	›	**1004 10J0**	1.412	Article
Buzatu, Gabriela Popescu, lonela Blrloaga , Simona Saceanu	Study concernlng the recovery of zinc and manganese from spent batteries by hydrometallurgical processes Q1	2013	Waste Management	33	6	**699** 705	d.723	Artlcle
8uzatu, M., Sâceanu, 5., Ghlca, V.G „ lacob, G., Buzatu, T.	Slmultaneous recovery of Zn and MnO2 from used batteries, as raw materials, by electrolysls 01	Z0T3	Waste Management	33	*8*	**1764 1769**	4.723	Anlcle
lacob, G., Popescu, G., Buzatu, M.	Studles regarding technologlcal *grogert\es* of Al/Al20 3/Gr hybrid composites	Z0t3	UPB Sclentlfic Bulletln, Serles B: Chemlstry and Materials Science	75	2	126	0 000	Article
Sâceanu, S., Clurda§, M., Popescu, G., Buzatu, M.	Complex characterisatlon of spent household batteries with Zn and Mn content for recovering of nonferrous metals	20z3	UPB Scientlfic Bulletln, Serles B: Chemistry and MaterlalS Science	75	2	//	0.000	Artlcle
Talpo§, E., Buzatu, M„ Predescu, C.	Cfiemlca| and structural assays and analysis of the leachlng behaviour and acid draining potential of granulated lead slag	2013	UPB Scientific Bulletln, Serles B: Chemistry and Materials Science	75	2	155 'l66	0.000	Article
Birloaga, I., Ida De Michelle, Buzatu, Veglio, F	Review anallsys with some experlmental results in the caracterlzatlon of waste printed circult boards	2013	Metalurgla international	XVII	12	19 23	0.310	Article

Birloaga, i., De Michelis, I„ Ferella, F., Buzatu, M., Veglld, F.	Study on the Influence of various factors in the hydrometallurgical processing of waste printed clrcuit boards for copper and gold recovery Q1	2013	Waste Management	33	4	//)	4.723	Article
Talpo§, E., Buzatu, M„ Predescu, C.	Chemlcal and structural assays and analysis of the leachlng behavlour and acid dralnlng potential of slowly cooled lead slag	20J3	UPB Scientific BulleNn, Series B: Chemistry and Materials Science	75	1	157 168	0.000	Article
Popescu, G„ lacob, G„ Buzatu, M.	Structural evolution and morphological changes of AI/AI2O3/Gr composites	Z013	Metalurgia Internatlonal	y8	sPEc z	104	0.310	Article
Blrloaga, I., Ida De Mlchells, 8uzatu, Veglio, F	Review anallsys wlth some experimental results in the caracterlzation of waste printed circuit boards	2013	Metalurgla Internatlonal	20	4	312 318	0.310	Artlcle
Talpos, £; Buzatu, M	SUITABILITY OF AIR-EOOLED LEFT SLAG FOR VALORISATION	zoza	Metalurgla International	18	4	28 3i	0.3J0	Article
Talpos, E; Buzatu, M	SUITABILITY OF GRANULATED LEAD SLAG FOR VALORISATION	20T3	Metalurgla Internatlonal	18	sp.1		0.310	Anicle
U§urelu-Cristea, A., Popescu, G., Dumltru, M., Soare, V., Buzatu, M.	Obtalnlng of AlMgMnCr wrougtfi alloy by alloylng with AIMn nanostructured master alloy	2013	Metalurgla International	18	sp.1		0.310	AnTcle
Ghica, Buzatu	5olubTllzation Kinetics of Lead Hydroxide Obtalned from Sulfated-oxide Waste from Lead-acid Battery, In Acetlc Acld In the Presence of Urea	20z3	REV. CHIM	64	Z	)/)	0.810	Artlcle
Ghlca, Buzatu	Cementation with Iron In Solutions of Lead Acetate In a Two-step Process	20y3	REV. CHIM	64	6	579	1.412	Article
Buzatu, s.a.	OBTAINING OF AlMgMnCr WROUGTH ALLOY BE LLOYIN WITH AIMn NANOSTRUCTUR£D MASTER ALLOY	zois	Meta!urgla Internatlonal	TB	sp.1	/03	0.3T0	Article
Jacob, G., Popescu, G., Mlculescu, fi., Buzatu, M.	Obtaining and characterization of AI/AI 2O 3/Gr composites by mechanical alloylng	2012	UPB Scientific Bulletin, Series B: Chemistry and Materials Sclence	74	2	221 230	0.000	Artlcle
Jacob, Popescu, Buzatu	The characterization and compacting of the AI/AZO3/ Gr composite powder tfirougfi powder metallurgy	2012	Academy of Romanlan scientists proceedlngs, 24-25 mai	4	1	6 75	0.000	Conf Paper
Uturelu-Crlstea, A., Popescu, G., 8uzatu, M., Tru}câ, R.	Nanocrystalllne AI•Mn master alloys obtained by mechanical alloying	2012	UPB Scientific Bulletin, Series B: Chemlstry and Materials Sclence	74	3		0.000	Artlc)e
Badanoiu, G., Buzatu	Structural and physlco-chemlcal analysis of waste from used lead - acid batterles	2012	UPB 'Scientific Bulletin, Series B: Chemlstry and Materials Science	74		6	0.000	Artlcle
Badanoiu, G., Saceanu, S., Buzatu	Reclclarea - Chela Dezvoltaril Durablle	20II	INFOMEDIU EUROPA Revista de mediu si economie		4	))	0.000	Artlcle

Buzatu	Physlcal methods for processing electronic and electrical equipment waste for nonferrous metals recovery	2012	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	74	4	227 239	0.000	Article
Saceanu,S., Ghlca, Buzatu	Separarea fizica a Componentelor baterlilor uzate In vederea valorlficaril metalelor neferoase	2012	Revista de turnâtorle		3	2 6	1.412	Article
Ghlca, Dimitrlu, Antonlac, Buzatu	Mechanical tests performed on welded. joints made of titanium alloys	20\2	Journal of Materials Sclence and Technologies	2p	q	/1	1.161	Article
Birloagâ Tonela, Buzatu, Matel Ecaterina	Physical methods for processing eleccronlc and electrical equlpment waste for nonferrous metals recovery	201y	Uee Scientific Bulletin, Series e: Chemistry and Materials Science	73	e	227 239	0.000	Article
Ghica, G.V., Buzatu	Recovery of titanium waste	**2011**	NDT Days 20z\, 13-17 iunle				0000	" " Pa per
8irloagâ lonela, Buzatu	A contrlbution to the recovery of pollmetalllc concentrates from components of electronlc waste	2011	The eight Internatlonal congress In materials science and eng]neer)ng ISSIM 20z1, 26-29 May Romania	LVII	2	115 121		Conf Paper
Buzatu, Birloax4 lonela	Nonferrous metals recovery from oxldlc subproducts obtalned from waste electrical equipment	2o›1	The eight internatlonal materials science and engineering ISSIM 20'l'I, 2R29 May 2011 Ia§I-Romania	LVII	2	255 262	0.000	Conf *Rager*
Buzatu	Mathematical modeling of the process of cementation of the lead acetate solution with Iron	2011	U.P.B. Sci. Bull., Serles 8	73	4	///	0.000	Article
Badanolu, G., Saceanu, S., Buzatu	Consumul de plumb creste a data cu economia	2011	INFOMEDIU EUROPA	72	6		0.000	Article
Moldovan, P., Butu, M., Popescu, G., Buzatu, M., Usurelu, E., Hoare, V., Mitrlca. D.	Thermodynamlcs of Interactions In AI-K2TIF6-KBF 4 system	2010	Revista de Chimie	6J	*9*	828 832	1.412	Anicle
Konstantin, Luminita Ortansa; Buzatu, Mlfial; Ghlban, 8randusa	EFECTS OF THE LONG TERM EXPOSURE ON THE SURFACE OF ARTlfiACT5	2009	Metalurgla International	14	4	32 35	1.412	Article
Konstantin, Lumlnlta Ortansa; Buzatu, Mlhai; Ghlban, Brandusa	EXPERIMENTAL RESEARCHES CONCERNING THE METALLIC MATERIAL CORROSION OF PU8LIC MONUMENTS	2009	Metalurgla International	14	4		0.310	Article

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