

PETROLEUM-GAS UNIVERSITY OF PLOIEȘTI

Field: Chemical Engineering, Medical Engineering, Materials Science and Nanomaterials

Prof.dr.eng. Matei Vasile

LIST OF PUBLICATIONS

No	Title	Authors	Journal	Impact factor	Identification number	Year	Data base	Link
1	Gasoline desulphurization by reactive adsorption on ZnO /bentonite, ,	Ion, C.S., Bombos, M., Vasilevici, G., Matei, V.,	Revista de Chimie	1,605	vol.70, Nr.1, 2019, p.50-53	2019	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85062731152&origin=resultslist&sort=plf-f&src=s&sid=3c69800729b3609772e03f4218d4efa3&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=0&citeCnt=0&searchTerm=
2	The malachite green biodegradation in bioreactors on various PH domains, ,	Gheorghe, V. , Gheorghe, C.G. , Bondarev, A. , Matei, V. , Bombos, M. ,	Revista de Chimie	1,605	vol.70, Nr.8, 2019, p.2996-2999	2019	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85072576353&origin=resultslist&sort=plf-f&src=s&sid=b0fac87da1eaf24a451c1d28fb5d4c1a&sot=autdocs&sdt=autdocs&sl



								=18&s=AU-ID%2855975027500%29&relpos=1&citeCnt=0&searchTerm=
3	Kinetics of 1-dodecanethiol Desulfurization by Reactive Adsorbition on MgO/dolomite, ,	Ion, C.S. , Bombos, M. , Doukeh, R. , Vasilevici, G. , Matei, V. ,	Revista de Chimie	1,605	vol.70, Nr.12, 2019, p.3439-3444	2019	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85062674561&origin=resultslist&sort=plf-f&src=s&sid=db81383d2798c418cb4de5c829099438&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=2&citeCnt=0&searchTerm=
4	The effects of modifying the catalytically active phase through ni impregnation of the cu-ru catalyst on carbon support in nitrobenzene hydrogenation,	Argesanu, C. , Matei, D. , Kong, S.I.L. , Bondarev, A. , Matei, V. ,	Revista de Chimie	1,605	vol.69, Nr.6, 2018, p.1451-1454	2018	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85052017164&origin=resultslist&sort=plf-f&src=s&sid=4eba44e28e1bfad2a209a643c1e41cba&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=3&citeCnt=0&searchTerm=
5	Reactions of some alkane and aromatic hydrocarbons over the noble metals/SnO₂ catalysts,	Stoica, D. , Dusescu, C. , Ionescu, C. , Bozon-Verduraz, E. , Matei, V. ,	Prog. Catal.,		2018, 8(2), pp. 40-44	2018	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-

								85055061431&origin=resul tlist&sort=plf- f&src=s&sid=23491159295 d6a6588f7b33ec4b05d0b& sot=autdocs&sdt=autdocs &sl=18&s=AU- ID%2855975027500%29&r elpos=4&citeCnt=0&search Term=
6	Assessing the catalytic potential of 12-Tungstophosphoric acid supported on mcm-41 for the gas phase etherification of alcohols,	Il Kong, S., Borcea, A., Matei, V., Ciuparu, D.	Revista de Chimie	1,605	vol.68, Nr.7, 2017, p.1442-1448	2017	SCP	https://www-scopus- com.am.e- nformation.ro/record/displ ay.uri?eid=2-s2.0- 85028020358&origin=resul tlist&sort=plf- f&src=s&sid=4cccd9320ed3 95836f87679ae92ffd04&so t=autdocs&sdt=autdocs&sl =18&s=AU- ID%2815071838400%29&r elpos=0&citeCnt=1&search Term=
7	Characterization and stability of heteropolyacid catalysts supported on MCM-41 materials synthesized by ultrasonic irradiation,	Kong, S.I., Matei, D., Cursaru, D., Matei, V., Ciuparu, D.	Revista de Chimie	1,605	vol.68, Nr.1, 2017, p.101-107	2017	SCP	https://www-scopus- com.am.e- nformation.ro/record/displ ay.uri?eid=2-s2.0- 85019466786&origin=resul tlist&sort=plf- f&src=s&sid=357aca1ade7 80c3deed2f87352e06aec& sot=autdocs&sdt=autdocs &sl=18&s=AU- ID%2815071838400%29&r

								elpos=1&citeCnt=3&search Term=
8	Hydrotreating of coker gas oil in single and double catalytic layer,	Al-Ali, A., Bombos, M., Buzoianu, D.A., Matei, V., Dragomir, R., Juganaru, T., Bombos, D.,	Revista de Chimie	1,605	vol.67, Nr.1, 2016, p.139-144	2016	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84964310667&origin=resultslist&sort=plf-f&src=s&sid=a6586b8ceeb3cc73c2f35f6bc0aeb4d1&sort=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=5&citeCnt=1&searchTerm=
9	Effect of introduction of lanthanum cations in ZSM-5 crystallization step on ethanol conversion to hydrocarbons,	Proscanu, R., Ganea, R., Cursaru, D., Matei, V., Vasilevici, G.,	Revista de Chimie	1,605	vol.65, Nr.1, 2014, p. 1517-1520	2014	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84924282469&origin=resultslist&sort=plf-f&src=s&sid=d174626809d935fe459007cedd416d73&sort=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=6&citeCnt=4&searchTerm=
10	Nitrobenzene hydrogenation over catalysts Cu based supported on activated charcoal,	Argesanu, C., Bombos, D., Matei, V., (...), Bombos, M., Vasilevici, G.,	Revista de Chimie	1,605	vol.65, Nr.11, 2014, p. 1391-1394	2014	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84923382351&origin=resultslist&sort=plf-

								f&src=s&sid=f03fc7e46132f8404fc6f2e5863ecb39&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=7&citeCnt=3&searchTerm=
11	Modified bentonite for purification of dyeing waste water,	Bombos, D., Ganea, R., Matei, V., (...), Nato, T., Tamas, I.,	Revista de Chimie	1,605	vol.65, Nr.8, 2014, p. 976-982	2014	SCP	https://www.scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84907306211&origin=resultslist&sort=plf-f&src=s&sid=daa9c427bcb296a4cd867da1ae5a8870&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=8&citeCnt=5&searchTerm=
12	Hydrodesulfurization of FCC Gasoline over Ni-Mo Catalyst supported on MCM-41,	Jang, C.R., Matei, V., Voicu, V., Borcea, A., Ciuparu, D.,	Revista de Chimie	1,605	vol.65, Nr.12, 2014, p. 1525-1529	2014	SCP	https://www.scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84924308606&origin=resultslist&sort=plf-f&src=s&sid=ec01c09f457c33909fc7be7b71140303&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2815071838400%29&relpos=2&citeCnt=1&searchTerm=



13	Behaviour of some anti-friction coatings powders on lubricating greases for special work conditions,	Florea, O., Marin, A.-G., Matei, V.,	Tribologie und Schmierungs- technik,		61(1), pp. 29-35	2014	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84904281787&origin=resultslist&sort=plf-f&src=s&sid=0488cc05861ee3d9593dc3c63e574c10&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2815071838400%29&relpos=3&citeCnt=0&searchTerm=
14	Synthesis and characterization of ZSM-5 zeolite from amorphous sodium aluminosilicate dry gel,	Proscanu, R., Ganea, R., Matei, V., Cursaru, D.,	Revista de Chimie	1,605	vol.64, Nr.2, 2013, p. 202-204	2013	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84875430635&origin=resultslist&sort=plf-f&src=s&sid=9259f2c57a865ef2eac732e87b0d015a&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=9&citeCnt=2&searchTerm=
15	Impregnation of catalytic active components in an ammonia solution during granulation of aluminium hydroxide gel by sol-gel method in hydrocarbon-ammonia moulding column,	Jang, C.R., Han, K., Voicu, V., Matei, V., Ciuparu, D.,	Revista de Chimie	1,605	vol.63 Nr.12, 2012, p. 1301-1305	2012	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84873384510&origin=resultslist&sort=plf-f&src=s&sid=2dd2184064222a640ed8de0199d6cbbf&

								sot=autdocs&sdt=autdocs &sl=18&s=AU- ID%2815071838400%29&r elpos=4&citeCnt=2&search Term=
16	Research on the Influence of Diesel Oil on the Bacterial Systems of Bacillus Subtilis and Pseudomonas Aeruginosa	Catalina Gabriela Gheorghe, Octav Pantea, Vasile Matei, Dorin Bombos, Anca-Florentina Borcea	Revista de Chimie	1,605	vol. 62, No.5, 2011, p. 582-584	2011	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79958796320&origin=resultslist&sort=plf-f&src=s&sid=796590d9ab06ab13fae6ed9a1948df78&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=15&citeCnt=3&searchTerm=
17	Treatment Through Biological Sludge Enriched with Activated Charcoal/	Catalina Gabriela Gheorghe, Octav Pantea, Vasile Matei, Dorin Bombos, Anca-Florentina Borcea	Revista de Chimie	1,605	vol. 62, No.6, 2011, p.655-658	2011	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959871650&origin=resultslist&sort=plf-f&src=s&sid=d279e33cb7a9a9ccfa885621602f49928&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=14&citeCnt=2&searchTerm=
18	Testing of Bacterial and Fungal Resistance in the	Catalina Gabriela Gheorghe, Octav Pantea, Vasile	Revista de Chimie	1,605	vol. 62, No.7,2011,p.707-711	2011	SCP	https://www-scopus-com.am.e-nformation.ro/record/displ



	Water Pollution with Cationic Detergents	Matei, Dorin Bombos, Anca- Florentina Borcea/						ay.uri?eid=2-s2.0-80053426252&origin=resultslist&sort=plf-f&src=s&sid=fc2f1645b1889d7fb39417639a74732a&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=12&citeCnt=2&searchTerm=
19	MTiO ₃ (M=Cu, Ni) as Catalysts in Toluene Oxidation/	Gina Alina Traistaru, Cristina Ileana Covaliu, Ovidiu Oprea, Vasile Matei, Dorina Matei, Diana Luciana Cursaru, Ioana Jitaru/	Revista de Chimie	1,605	vol. 62, No.8, 2011, p.773-776	2011	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-80052369218&origin=resultslist&sort=plf-f&src=s&sid=8600f11b262e3d5b5e1169d5b07ae63e&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=16&citeCnt=4&searchTerm=
20	SYNTHESIS AND CHARACTERIZATION OF NiTiO ₃ AND NiFe ₂ O ₄ AS CATALYSTS FOR TOLUENE OXIDATION/	G. A. TRAISTARU, C. I. COVALIU*, V. MATEI, D. CURSARU, I. JITARU/	Digest Journal of Nanomaterials and Biostructures	0,638	Vol. 6, No 3, July - September 2011, p. 1257-1263	2011	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-80052569243&origin=resultslist&sort=plf-f&src=s&sid=2298e963f3c08d4db115f9d4bcbcb55&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&r

								elpos=10&citeCnt=16&searchTerm=
21	The Efficiency of Flocculants in Biological Treatment with Activated Sludge/	Catalina Gabriela Gheorghe, Octav Pantea, Vasile Matei, Dorin Bombos, Anca-Florentina Borcea/	Revista de Chimie	1,605	vol. 62, No.10 , 2011	2011	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-80054749717&origin=resultslist&sort=plf-f&src=s&sid=21d9fc130e4a598c5b4ef32522007a52&sort=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=11&citeCnt=1&searchTerm=
22	Lanthanum Nickelate Obtained by Auto-combustion Method as Catalyst in Toluene Oxidation	Lacramioara Claudia Chioaru, Ioana Jitaru, Mariana Bichir, Vasile Matei, Oana Mihai/	Revista de Chimie	1,605	Vol.60,Nr.3, 2009,p.283-289.	2009	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-64749110353&origin=resultslist&sort=plf-f&src=s&sid=c26bbfd4e855d033ff60af0232c1261a&sort=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=17&citeCnt=5&searchTerm=
23	Diesel Biofuels - Preparation, Characterization and Testing/	CRISTINA DUSESCU, ANCA BORCEA, VASILE MATEI, ION POPA, IRINA	Revista de Chimie	1,605	vol 59 , Nr. 11 , 2008,p.1271-1275.	2008	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-57749091462&origin=resultslist&sort=plf-

		GABRIELA RĂDULESCU,						f&src=s&sid=e96a81265f0ad94b8079c4909548cca0&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=18&citeCnt=6&searchTerm=
24	Catalizatori de tip spineli pentru combustia catalitică a toluenului/	DANIELA POPOVICI, ION BOLOCAN, VASILE MATEI, DORINA MATEI, DORIN BOMBOS, CRISTINA DUSESCU/	Revista de Chimie	1,605	vol. 59 , Nr. 1, 2008,p.88-91.	2008	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-39749144591&origin=resultslist&sort=plf-f&src=s&sid=e42b3ac75d6e41792a28a729fdb1b69a&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=19&citeCnt=3&searchTerm=
25	Studiu comparativ privind hidrodearomatizarea unei benzine de extractie pe catalizatori de tip Ni/Al ₂ O ₃ -SiO ₂ /	D. Bombos, Traian Juganaru, C. Ionescu, M. Bombos, V. Matei/	Revista de Chimie	1,605	nr.1, 2007,p.92-97	2007	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-36248993064&origin=resultslist&sort=plf-f&src=s&sid=18dbb5e15fe7664d71943652c77c319d&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=20&citeCnt=4&searchTerm=

26	Studiul procesului de hidrogenare al unor hidrocarburi aromatice pe catalizatori pe baza de zeolit Zn-H-ZSM-5	Traian Juganaru, Constantin Ionescu, Dorin Bombos, Mihaela Bombos, Vasile Matei/	Revista de Chimie	1,605	vol.58, nr.10, p.983-987, 2007.	2007	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-36248993064&origin=resultslist&sort=plf-f&src=s&sid=6ee889bee79f5bb9c9709fa1685108d8&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=20&citeCnt=4&searchTerm=
27	Hidrogenarea hidrocarburilor aromatice dintr-o benzina de extractie in vederea obtinerii de solventi industriali ecologici	Traian Juganaru, Constantin Ionescu, Dorin Bombos, Mihaela Bombos, Vasile Matei/	Revista de Chimie	1,605	vol.58, nr.7, 2007, p.698.	2007	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-34548009346&origin=resultslist&sort=plf-f&src=s&sid=fe895b3d65b67546820788020b77b27c&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=21&citeCnt=5&searchTerm=
28	Hidrogenarea citralului pe catalizatori Cu-Cr-Ba/	D.Popovici, T.Juganaru, D. Bombos, C. Dusescu, V. Matei/	Revista de Chimie	1,605	vol.57, nr.5, 2006, p.545-548	2006	SCP	
29	Oxizi micști perovskitici cu acțiune oxidantă asupra unor hidrocarburi/	Matei, D., Borcea, A., Matei, V./	Revista de Chimie	1,605	nr. 8, 2005, p.873-876	2005	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-



								33751207422&origin=resul tlist&sort=plf- f&src=s&sid=cad16375c33 4215d62282a1d2d23484c &sot=autdocs&sdt=autdoc s&sl=18&s=AU- ID%2815071838400%29&r elpos=5&citeCnt=1&search Term=
30	Studiul interconversiei unor olefine pe catalizatori sulfuri și oxizi micști suportați/	Matei, D., Borcea, A., Matei, V./	Revista de Chimie	1,605	nr. 7, 2005, p.770- 774	2005	SCP	<a "="" href="https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-33751291694&origin=resul
tlist&sort=plf-
f&src=s&sid=90adab8fde05
7786f25f6803a8f142be&so
t=autdocs&sdt=autdocs&sl
=18&s=AU-
ID%2855975027500%29&r
elpos=24&citeCnt=0&searc
hTerm=">https://www-scopus- com.am.e- nformation.ro/record/displ ay.uri?eid=2-s2.0- 33751291694&origin=resul tlist&sort=plf- f&src=s&sid=90adab8fde05 7786f25f6803a8f142be&so t=autdocs&sdt=autdocs&sl =18&s=AU- ID%2855975027500%29&r elpos=24&citeCnt=0&searc hTerm=
31	/ Substante higroscopice si delicvescente - componente ale aditivilor de reducere a continutului de aerosoli/	Popovici Daniela, Pantea Octav, Antonescu N.N., Matei Vasile, Trambitasu Eva, Bombos Dorin	Revista de Chimie	1,605	vol.55, nr.7, 2004, pag.488-491.	2004	SCP	<a href="https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-57349179853&origin=resul
tlist&sort=plf-
f&src=s&sid=8f902d1868b
19267e9b779f209239358&
sot=autdocs&sdt=autdocs
&sl=18&s=AU-
ID%2855975027500%29&r">https://www-scopus- com.am.e- nformation.ro/record/displ ay.uri?eid=2-s2.0- 57349179853&origin=resul tlist&sort=plf- f&src=s&sid=8f902d1868b 19267e9b779f209239358& sot=autdocs&sdt=autdocs &sl=18&s=AU- ID%2855975027500%29&r

								elpos=25&citeCnt=0&searchTerm=
32	F.Badea, C.Simion , I.Costea, F.Iordache, D.Mihaiescu, S.A.Iordache, V.Matei / Roumanian Journal of Chemistry / vol..45, Issue 5, 2000, p.495-498.,	F.Badea, C.Simion , I.Costea, F.Iordache, D.Mihaiescu, S.A.Iordache, V.Matei	Roumanian Journal of Chemistry		vol..45, Issue 5, 2000, p.495-498.,	2000	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-0042281004&origin=resultlist&sort=plf-f&src=s&sid=7026a75c81df17e99ddcac6ed60089f8&sort=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=27&citeCnt=0&searchTerm=
33	Studii privind modificarile structurale intervenite in compozitia fractiunilor medii si grele, separate din titei exploatat prin combustie subterana/	V.Matei , Dorina Matei, Gh.Brebeanu, Anca Borcea, V.Dumitrescu, Daniela Mazilu	Revista de Chimie	1,605	vol.51, Nr.12, 2000, p.966-970	2000	SCP	https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-18944397784&origin=resultlist&sort=plf-f&src=s&sid=e6bbe5579dc10b5817677afd396609c0&sort=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855975027500%29&relpos=26&citeCnt=2&searchTerm=
34	Studiul depunerilor de cocs si a distributiei produselor de reactie in procesul de piroliza al unor fractii petroliere de tip petrol si motorina/	D.Apostol, P.Rosca, D.Mandalopol, V. Matei/	Revista de Chimie	1,605	vol.47, nr.12, 1996, pg. 1121-1126.	1996	SCP	

35	"Influența unor adaosuri asupra distribuției produselor de reacție și a depunerilor de cocs la piroliza unor benzine"/	D.Apostol, D.Mandalopol, P.Roșca, V.Matei/	Revista de Chimie	1,605	vol.47, nr.8, 1996, p.729-734.	1996	SCP	
36	/Kinetic studies of the pyrolysis of some Alkylbenzenes/	D.K.Banerjee, V. Matei, V.Vântu	Revue Roumaine de Chimie	0,395	vol.27, no.5, 1982, p.621-628	1982	SCP	
37	/Kinetic studies of alkyl carboxylic acid esters pyrolysis/,	A.El Fadly, V.Matei, V.Vântu	Revue Roumaine de Chimie,	0,395	vol.25, no.9-10, 1980, p.1311-1319	1980	SCP	