

List of Scientific Publications
Agnieszka Węgrzyn Ph.D., D.Sc
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- IF₅ – 5-year Impact Factor,
- IF – Impact Factor,
- Number of citations without self-citations (– A) according to Web of Science (WoS) and Scopus database.

* – corresponding author, n.a. – not available.

no.	Publication	IF ₅	IF	Number of citations			
				WoS	WoS – A	Scopus	Scopus – A
1	Agnieszka Węgrzyn* , Marcelina Radko, Dorota Majda, Wojciech Stawiński, Michał Skiba, Dariusz Cież, Interaction between adsorbed molecules and tailor made large chelating ligands grafted on SBA-15 studied by means of thermoporometry, <i>Microporous and Mesoporous Materials</i> , 268 (2018) 31–38, DOI: 10.1016/j.micromeso.2018.04.010	3,660	3,615			1	1
2	Wojciech Stawiński*, Agnieszka Węgrzyn* , Grzegorz Mordarski, Michał Skiba, Olga Freitas, Sónia Figueiredo, Sustainable adsorbents formed from by-product of acid activation of vermiculite and leached-vermiculite-LDH hybrids for removal of industrial dyes and metal cations, <i>Applied Clay Science</i> , 161 (2018) 6-14, DOI: 10.1016/j.clay.2018.04.007	3,391	3,101			1	1
3	Andreia Silva, Sílvia Martinho, Wojciech Stawiński, Agnieszka Węgrzyn , Sónia Figueiredo, Lúcia H. M. L. M. Santos, Olga Freitas*, Application of vermiculite-derived sustainable adsorbents for removal of venlafaxine, <i>Environmental Science and Pollution Research</i> , 25 (2018) 17066-17076, DOI: 10.1007/s11356-018-1869-6	2,989	2,800			0	0
4	Agnieszka Węgrzyn* , Wojciech Stawiński*, Olga Freitas, Kamila Komędera, Artur Błachowski, Łukasz Jęczmionek, Tomasz Dańko, Grzegorz Mordarski, Sónia Figueiredo, Study of adsorptive materials obtained by wet fine milling and acid activation of vermiculite, <i>Applied Clay Science</i> , 155 (2018) 37-49, DOI: 10.1016/j.clay.2018.01.002.	3,391	3,101	1	0	1	0

5	Wojciech Stawiński, Sónia Figueiredo, Agnieszka Węgrzyn , Olga Freitas*, Color Removal in Textile Wastewaters using Natural Adsorbents as a Sustainable way of Treatment, Curr. Trends Fashion Technol. Textile Eng. 2(5) (2018) 555598.						
6	Agnieszka Węgrzyn *, Removal of Phenol from Wastewater Using Fenton-Like Reaction over Iron Oxide-Modified Silicates, w: Physico-Chemical Wastewater Treatment and Resource Recovery, ed. Robina Farooq, Zaki Ahmad, INTECH (2017) 55-71, ISBN 978-953-51-3130-4, DOI: 10.5772/65097.						
7	Wojciech Stawiński, Agnieszka Węgrzyn *, Olga Freitas, Lucjan Chmielarz, Sónia Figueiredo, Dual-function hydrotalcite-derived adsorbents with sulfur storage properties: dyes and hydrotalcite fate in adsorption-regeneration cycles, Microporous Mesoporous Materials, 250 (2017) 72-87, DOI: 10.1016/j.micromeso.2017.05.017.	3,660	3,615	6	4	7	5
8	Wojciech Stawiński, Agnieszka Węgrzyn *, Tomasz Dańko, Olga Freitas, Sónia Figueiredo, Lucjan Chmielarz, Acid-base treated vermiculite as high performance adsorbent: Insights into the mechanism of cationic dyes adsorption, regeneration, recyclability and stability studies, Chemosphere, 173 (2017) 107-115, DOI: 10.1016/j.chemosphere.2017.01.039.	4,506	4,208	20	17	24	20
9	Wojciech Stawiński, Agnieszka Węgrzyn *, Olga Freitas, Lucjan Chmielarz, Grzegorz Mordarski, Sónia Figueiredo, Simultaneous removal of dyes and metal cations using an acid, acid-base and base modified vermiculite as a sustainable and recyclable adsorbent, Science of the Total Environment, 576 (2017) 398-408, DOI: 10.1016/j.scitotenv.2016.10.120.	5,102	4,900	23	19	27	23
10	Wojciech Stawiński, Olga Freitas, Lucjan Chmielarz, Agnieszka Węgrzyn *, Kamila Komędera, Artur Błachowski, Sónia Figueiredo*, The influence of acid treatments over vermiculite based material as adsorbent for cationic textile dyestuffs, Chemosphere, 153 (2016) 115-129, DOI: 10.1016/j.chemosphere.2016.03.004.	4,506	4,208	18	12	19	13
11	S. Basąg, Z. Piwowarska, A. Kowalczyk, A. Węgrzyn , R. Baran, B. Gil, M. Michalik, L. Chmielarz*; Cu-Mg-Al hydrotalcite-like materials as precursors of effective catalysts for selective oxidation of ammonia to dinitrogen - the influence of Mg/Al ratio and calcination temperature; Applied Clay Science 129 (2016) 122-130, DOI: 10.1016/j.clay.2016.05.019	3,391	3,101	11	11	13	13
12	M. Jabłońska, L. Chmielarz*, A. Węgrzyn , K. Góra-Marek, Z. Piwowarska, S. Witkowski, E. Bidzińska, P. Kuśtrowski, A. Wach, D. Majda; Hydrotalcite derived (Cu, Mn)-Mg-Al metal oxide systems doped with palladium as catalysts for low-temperature methanol incineration; Applied Clay Science 114 (2015) 273-282, DOI: 10.1016/j.clay.2015.05.027	3,065	2,586	13	12	14	13

13	Ł. Jęczmionek*, Z. Burnus, G. Żak, L. Ziemiański, M. Wojtasik, W. Krasodomski, Z. Stępień, M. Rutkowska, A. Węgrzyn ; Zeoforming of Triglycerides Can Improve Some Properties of Hydrotreated Vegetable Oil Biocomponents; Energy&Fuels 28 (2014) 7569-7575, DOI: 10.1021/ef502091m	3,282	2,790	5	5	6	6
14	L. Chmielarz*, M. Rutkowska, M. Jabłońska, A. Węgrzyn , A. Kowalczyk, P. Boroń, Z. Piwowarska, A. Matusiewicz; Acid-treated vermiculites as effective catalysts of high-temperature N ₂ O decomposition; Applied Clay Science 101 (2014) 237-245, DOI: 10.1016/j.clay.2014.08.006	3,246	2,467	6	6	7	7
15	M. Jabłońska A. E. Palomares Gimeno*, A. Węgrzyn , L. Chmielarz; A Short Review about NO _x Storage/Reduction Catalysts Based on Metal Oxides and Hydrotalcite-type Anionic Clays; Acta Geodynamica et Geomaterialia 11(2) (2014) 175-186, DOI: 10.13168/AGG.2013.0063	0,606	0,389	3	3	4	4
16	Agnieszka Węgrzyn* , Lucjan Chmielarz, Paweł Zjeżdżałka, Andrzej Kowalczyk, Magdalena Jabłońska, Xavier Baldrich Tolosa, Marek Michalik, Adsorbents for iron removal obtained from vermiculite, Acta Geodynamica et Geomaterialia, 171 (2013) 353-361, DOI: 10.13168/AGG.2013.0034.	0,604	0,667	0	0	1	1
17	Agnieszka Węgrzyn* , Lucjan Chmielarz, Paweł Zjeżdżałka, Magdalena Jabłońska, Andrzej Kowalczyk, Agata Żelazny, Manuel Vázquez Sulleiro, Marek Michalik, Vermiculite-based catalysts for oxidation of organic pollutants in water and wastewater, Acta Geodynamica et Geomaterialia, 171 (2013) 341-352, DOI: 10.13168/AGG.2013.0033.	0,604	0,667	2	0	2	0
18	M. Jabłońska*, L. Chmielarz, A. Węgrzyn , Hydrotalcite-like materials containing manganese – a short review, Copernican Letters 4 (2013) 59-65, PhD students annual research reports on biology, life science, chemistry, physics and technology, ISSN 2082 968X						
19	M. Jabłońska*, L. Chmielarz, A. Węgrzyn ; Selective catalytic oxidation (SCO) of ammonia into nitrogen and water vapour over hydrotalcite originated mixed metal oxides-a short review; Chemik 67(8) (2013) 701-710					7	7
20	M. Jabłońska, L. Chmielarz*, A. Węgrzyn , K. Guzik, Z. Piwowarska, S. Witkowski, R.I. Walton, P.W. Dunne, F. Kovanda; Thermal transformations of Cu - Mg (Zn) - Al (Fe) hydrotalcite-like materials into metal oxide systems and their catalytic activity in selective oxidation of ammonia to dinitrogen; Journal of Thermal Analysis and Calorimetry 114 (2013) 731-747, DOI: 10.1007/s10973-012-2935-9	1,908	2,206	25	24	28	27

21	L. Chmielarz*, M. Jabłońska, A. Strumiński, Z. Piwowarska, A. Węgrzyn , S. Witkowski, M. Michalik; Selective catalytic oxidation of ammonia to nitrogen over Mg-Al, Cu-Mg-Al and Fe-Mg-Al mixed metal oxides doped with noble metals; Applied Catalysis B: Environmental 130- 131 (2013) 152-162, DOI: 10.1016/j.apcatb.2012.11.004	6,423	6,007	39	39	41	39
22	A.Węgrzyn* , R.Dębek, L.Chmielarz, M.Ćwizewicz, M.Motak, Sorpcja niklu na naturalnych i zmienionych wermikulitach, w: „Sorbenty Mineralne: Surowce, Energetyka, Ochrona Środowiska, Nowoczesne Technologie”, pod redakcją: T. Ratajczak, G. Rzepa, T. Bajda, Wydawnictwa AGH 2012, s. 529-546						
23	M. Jabłońska, L. Chmielarz*, A. Węgrzyn , S. Witkowski, M. Michalik; Mixed metal oxides Mg-Cu-Fe obtained from hydrotalcites as catalysts for selective oxidation of ammonia to nitrogen and water vapour (SCO); Chemik 66(7) (2012) 750-757					3	3
24	P.W. Dunne, A.M. Carnerup, A. Węgrzyn , S. Witkowski, R.I. Walton*; Hierarchically Structured Ceria-Silica: Synthesis and Thermal Properties; Journal of Physical Chemistry C 116(24) (2012) 13435-13445, DOI: 10.1021/jp3031978	5,152	4,814	13	13	13	13
25	M. Jabłońska*, L. Chmielarz, A. Węgrzyn , Z. Piwowarska; Hydrotalcite as oxide catalysts precursor for the selective oxidation of ammonia into nitrogen and water vapour; Copernican Letters 3 (2012) 91-102						
26	L. Chmielarz*, M. Wojciechowska, M. Rutkowska, A. Adamski, A. Węgrzyn , A. Kowalczyk, B. Dudek, P. Boroń, M. Michalik, A. Matusiewicz; Acid-activated vermiculites as catalysts of the DeNOx proces; Catalysis Today 191 (2012) 25-31, DOI: 10.1016/j.cattod.2012.03.042	3,464	2,980	24	18	24	18
27	L. Chmielarz*, A. Węgrzyn , M. Wojciechowska, S. Witkowski, M. Michalik; Selective Catalytic Oxidation (SCO) of Ammonia to Nitrogen over Hydrotalcite Originated Mg-Cu-Fe Mixed Metal Oxides; Catalysis Letters 141(9) (2011) 1345-1354, DOI: 10.1007/s10562-011-0653-8	2,314	2,242	37	33	40	34
28	L. Chmielarz*, Z. Piwowarska, P. Kuśtrowski, A. Węgrzyn , B. Gil, A. Kowalczyk, B. Dudek, R. Dziembaj, M. Michalik; Comparison study of titania pillared interlayered clays and porous clay heterostructures modified with copper and iron as catalysts of the DeNOx process; Applied Clay Science 53 (2011) 164-173, DOI: 10.1016/j.clay.2010.12.009	3,060	2,474	38	38	43	42
29	L. Chmielarz*, A. Węgrzyn , A. Kowalczyk, S. Witkowski, R. I. Walton, A. Matusiewicz; Studies of Zn-Al-Ce mixed oxides as catalysts for diesel soot combustion; Annales Universitatis Mariae Curie-Skłodowska vol. LXV, 5 (2010) 45-54						

30	Agnieszka Węgrzyn* , Alicja Rafalska-Łasocha, Dorota Majda, Roman Dziembaj, Helmut Papp, The influence of mixed anionic composition of Mg–Al hydrotalcites on the thermal decomposition mechanism based on in situ study, <i>Journal of Thermal Analysis and Calorimetry</i> , 99 (2010) 443-457, DOI: 10.1007/s10973-009-0190-5.	1,561	1,752	27	24	29	24
31	Agnieszka Węgrzyn* , Alicja Rafalska-Łasocha, Barbara Dudek, Roman Dziembaj, Nanostructured V-containing hydrotalcite-like materials obtained by non-stoichiometric anion exchange as precursors of catalysts for oxidative dehydrogenation of n-butane, <i>Catalysis Today</i> , 116 (2006) 74-81, DOI: 10.1016/j.cattod.2006.03.005.	n.a.	2,148	15	14	16	15
32	P. Kuśtrowski*, A. Węgrzyn , A. Rafalska-Łasocha, A. Pattek-Janczyk, R. Dziembaj; Substitution of Fe ³⁺ for Al ³⁺ cations in layered double hydroxide [LiAl ₂ (OH) ₆] ₂ CO ₃ ·nH ₂ O; <i>Clays and Clay Minerals</i> 53 (2005) 18-27, DOI: 10.1346/CCMN.2005.0530103	n.a.	1,364	4	4	4	4
33	P. Kuśtrowski*, A. Węgrzyn , L. Chmielarz, A. Bronkowska, A. Rafalska-Łasocha, R. Dziembaj; Thermally induced transformations in polyoxometalate-pillared hydrotalcite; <i>Journal of Thermal Analysis and Calorimetry</i> 77 (2004) 243-251, DOI: 10.1023/B:JTAN.0000033209.63864.0e	n.a.	1,478	4	4	5	5
34	P. Kuśtrowski*, L. Chmielarz, A. Rafalska-Łasocha, B. Dudek, A. Węgrzyn , R. Dziembaj; Thermally activated hydrotalcite-like materials as catalysts of nitrogen monoxide (N ₂ O) decomposition, <i>Aktywowane termicznie hydrotalcity w roli katalizatorów rozkładu podtlenku azotu</i> ; <i>Przemysł Chemiczny</i> 82 (2003) 732-735	n.a.	0,296	4	4	4	4
35	A. Węgrzyn , P. Kuśtrowski*, A. Rafalska-Łasocha, R. Dziembaj; Mg-Al hydrotalcite modified with V ³⁺ and/or V ⁵⁺ cations as precursors of catalysts for oxidative dehydrogenation of iso-butane; <i>Scientific Papers of the Institute of Chemistry and Technology of Petroleum and Coal of the Wrocław University of Technology</i> , No. 57, Conference No. 10, IV International Conference. Catalysis and Adsorption in Fuel Processing and Environmental Protection, Wrocław 2002, 253-258.						
36	P. Kuśtrowski*, L. Chmielarz, A. Węgrzyn , J. Surman, R. Dziembaj; Oxidative dehydrogenation of n-butane over transition metal containing hydrotalcite-derived catalysts; <i>Scientific Papers of the Institute of Chemistry and Technology of Petroleum and Coal of the Wrocław University of Technology</i> , No. 57, Conference No. 10, IV International Conference. Catalysis and Adsorption in Fuel Processing and Environmental Protection, Wrocław; 2002; 247-252						
37	R. Dziembaj*, L. Chmielarz, A. Węgrzyn , P. Kuśtrowski; Preparation, characterization and testing of hydrotalcite-derived polyoxovanadates-intercalated catalysts for selective catalytic reduction of NO with NH ₃ ; <i>Bulletin of the Polish Academy of Sciences: Chemistry</i> 50 (2002) 237-248	n.a.	0,159	4	4	5	5

38	A. Węgrzyn , P. Kuśtrowski*, L. Chmielarz, P. Gębala, A. Rafalska-Łasocha, R. Dziembaj; Efektywność wymiany anionów CO ₃ ²⁻ i NO ₃ ⁻ na jony poliwanadanowe w hydrotalkitach Mg-Al, <i>Chemia i Inżynieria Ekologiczna</i> 9 (2002) 677-684						
39	L. Chmielarz*, P. Kuśtrowski, A. Węgrzyn , P. Gębala, A. Rafalska-Łasocha, R. Dziembaj; Application of layered double hydroxide based catalysts in SCR of NO with ammonia; <i>Polish Journal of Environmental Studies</i> ; Vol. 10, Supplement II – Catalytic DENOX (2001) 42-45	n.a.	0,793				
40	L. Chmielarz, R. Dziembaj*, T. Łojewski, A. Węgrzyn , T. Grzybek, J. Klinik, D. Olszewska; Effect of water vapour and SO ₂ addition on stability of zirconia-pillared montmorillonites in selective catalytic reduction of NO with ammonia; <i>Solid State Ionics</i> 141-142 (2001) 715-719; 1.439, DOI: 10.1016/S0167-2738(01)00786-X	n.a.	1,534	22	20	23	21
41	L. Chmielarz, R. Dziembaj*, T. Grzybek, J. Klinik, T. Łojewski, D. Olszewska, A. Węgrzyn ; Pillared smectite modified with carbon and manganese as catalyst for SCR of NO _x with NH ₃ . Part II. Temperature-programmed studies; <i>Catalysis Letters</i> ; 70 (2000) 51-56, DOI: 10.1023/A:101907550	n.a.	1,762	33	32	36	35
42	L. Chmielarz, R. Dziembaj, T. Grzybek, J. Klinik, T. Łojewski, D. Olszewska, A. Węgrzyn ; Application of various transient kinetics methods for studies of DENOX catalysts; <i>Polish Journal of Environmental Studies</i> 9 Supl.I (2000) 17-20	n.a.	0,793				

Summary of scientometric parameters

	parameter
Numer of Scientific Publications:	
total	42
Indexed in Web of Science	26
Indexed in Scopus	31
Impact Factor:	
total IF ₅	69,885
average IF ₅	3,177
total IF	75,017
average IF	2,420
Numer of citations:	
by Web of Science	397
by Web of Science – without self-citations	370
average – Web of Science	15,27
by Scopus	448
by Scopus – without self-citations	403
average – Scopus	14,45
H Index:	
Web of Science	13
Scopus	14