

**Fișa de îndeplinire a standardelor minimale pentru domeniul  
Ingineria Mediului  
- conform cu Ordinul 6.129 din 2016 emis de MENCS -**

**Candidat: Conf. Dr. ANDRONIC LUMINIȚA CAMELIA**

**Instituție: Universitatea Transilvania din Brașov**

Criteria	Valoarea Minimă	Valoarea obținută de candidat
NT (Număr total de articole în reviste ISI)	≥ 25	39
NP (Număr total articole ISI la care candidatul este prim autor sau autor de corespondență)	≥ 10 min. 6 în reviste cu FI > 1	17 14 în reviste cu FI>1
FIC (Factor de impact cumulat)	≥ 20	51,125
NC (Număr total de citări – fără auto-citări – din baza Scopus sau ISI Web of Science)	≥ 100	467

Nr. crt.	Articol	Rolul Candidatului	FI	FIC	NC
<b>Articole publicate in jurnale cotate ISI (cu factor de impact)</b>					
1.	A. Duta, <b>L. Andronic</b> , A. Enesca, The influence of low irradiance and electrolytes on the mineralization efficiency of organic pollutants using the Vis-active photocatalytic tandem CuInS <sub>2</sub> /TiO <sub>2</sub> /SnO <sub>2</sub> , Catalysis Today 300 (2018) 18 – 27.	Co-autor	4,636	1,545	0
2.	<b>L. Andronic</b> , L. Isac, S. Miralles-Cuevas, M. Visa, I. Oller, A. Duta, S. Malato, Pilot-plant evaluation of TiO <sub>2</sub> and TiO <sub>2</sub> -based hybrid photocatalysts for solar treatment of polluted water, Journal of Hazardous Materials 320 (2016) 469-478.	Prim autor	6,065	6,065	5
3.	M. Visa, <b>L. Andronic</b> , A. Enesca, Behavior of the new composites obtained from fly ash and titanium dioxide in removing of the pollutants from wastewater, Applied Surface Science 388 (2016) 359-369.	Co-autor	3,387	1,129	1
4.	M. Visa, <b>L. Andronic</b> , A. Duta, Fly ash TiO <sub>2</sub> nanocomposite material for multi-pollutants wastewater treatment, Journal of Environmental Management 150 (2015) 336-343.	Co-autor	4,01	1,337	8
5.	<b>L. Andronic</b> , A. Enesca, C. Cazan, M. Visa, TiO <sub>2</sub> -active carbon composites for wastewater photocatalysis, Journal of Sol-Gel Science and Technology 71 (2014) 396-405.	Prim autor	1,545	1,545	5
6.	A. Enesca, L. Isac, <b>L. Andronic</b> , D. Perniu, A. Duta, Tuning SnO <sub>2</sub> -TiO <sub>2</sub> tandem systems for dyes mineralization, Applied Catalysis B: Environmental 147 (2014) 175-184.	Co-autor	9,446	1,889	13
7.	<b>L. Andronic</b> , D. Perniu, A. Duta, Synergistic effect between TiO <sub>2</sub> sol-gel and Degussa P25 in dye photodegradation, Journal of Sol-Gel Science and Technology, 66 (3) (2013) 472-480.	Prim autor	1,575	1,575	14

8	L. Isac, <b>L. Andronic</b> , A. Enesca, A. Duta, Copper sulfide films obtained by spray pyrolysis for dyes photodegradation under visible light irradiation, <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 252 (2013) 53– 59.	Co-autor	2,625	0,656	13
9	<b>L. Andronic</b> , A. Duta, Photodegradation of dyes in binary systems-simultaneous analysis by first-order spectra derivative method, <i>Chemical Engineering Journal</i> , 198-199 (2012) 468–475.	Prim autor	6,216	6,216	17
10	R.A. Carcel, <b>L. Andronic</b> , A. Duta, Photocatalytic Activity and Stability of TiO <sub>2</sub> and WO <sub>3</sub> Thin Films, <i>Materials Characterisation</i> , 70 (2012) 68-73.	Autor de corespondenta	2,714	2,714	17
11	A. Enesca, <b>L. Andronic</b> , A. Duta, Optimization of optoelectrical and photocatalytic properties of SnO <sub>2</sub> thin films using Zn <sup>2+</sup> and W <sup>6+</sup> dopant ions, <i>Catalysis Letter</i> 142 (2012) 224-230.	Co-autor	2,799	0,933	8
12	A. Enesca, <b>L. Andronic</b> , A. Duta, The influence of surfactants on the crystalline structure, electrical and photocatalytic properties of hybrid multi-structured (SnO <sub>2</sub> , TiO <sub>2</sub> and WO <sub>3</sub> ) thin films, <i>Applied Surface Science</i> 258 (2012) 4339-4346.	Co-autor	3,387	1,129	9
13	<b>L. Andronic</b> , A. Duta, The influence of precursor's composition and concentration on cadmium doped TiO <sub>2</sub> film, <i>Central European Journal of Chemistry</i> , 10(1) (2012) 85-90.	Prim autor	1,46	1,460	0
14	R. A. Carcel, <b>L. Andronic</b> , A. Duta, Photocatalytic degradation of methylorange using TiO <sub>2</sub> , WO <sub>3</sub> and mixed thin films under controlled pH and H <sub>2</sub> O <sub>2</sub> , <i>Journal of Nanoscience and Nanotechnology</i> 11 (2011) 9095-9101.	Co-autor	1,483	0,494	7
15	<b>L. Andronic</b> , L. Isac, A. Duta, Photochemical synthesis of Copper sulphide/Titanium oxide photocatalyst, <i>Journal of Photochemistry and Photobiology A: Chemistry</i> 221 (2011) 30-37.	Prim autor	2,625	2,625	44
16	<b>L. Andronic</b> , D. Andrasi, A. Enesca, M. Visa, A. Duta, The influence of titanium dioxide phase composition on dyes photocatalysis, <i>Journal of Sol-Gel Science and Technology</i> 58 (2011) 201–208.	Prim autor	1,575	1,575	31
17	M. Visa, <b>L. Andronic</b> , D. Lucaci, A. Duta, Concurrent dyes adsorption and photo-degradation on fly ash based substrates, <i>Adsorption-Journal of the International Adsorption Society</i> 17 (2011) 101-108.	Co-autor	2,074	0,519	18
18	<b>L. Andronic</b> , Photodegradation processes for advanced real wastewaters treatment, <i>Environmental Engineering and Management Journal</i> 10 (8) (2011) 1015-1019.	Prim autor	1,096	1,096	0
19	C. Vladuta, <b>L. Andronic</b> , A. Duta, Effect of TiO <sub>2</sub> nanoparticles on the interfaces PET-rubber composites, <i>Journal of Nanoscience and Nanotechnology</i> 10 (2010) 2518–2526.	Co-autor	1,483	0,494	3
20	A.Enesca, <b>L. Andronic</b> , A. Duta, Influence of sodium ions (Na <sup>+</sup> ) dopant on the efficiency of the tungsten trioxide photoelectrode, <i>Revue Roumaine de Chimie</i> 55 (2010) 11-15, FI 0.418.	Co-autor	0,246	0,082	0
21	A.M. Lazăr, I. Ciobanu, D. Chaumont, Y. Lacroute, R. Chassagnon, <b>L. Andronic</b> , M. Sacilotti, The use of TiO <sub>2</sub> nanostructures on the photocatalytic degradation of methylene blue, <i>Metalurgia International</i> 2 (2010) 26-29.	Co-autor	0,134	0,019	0
22	<b>L. Andronic</b> , A. Enesca, C. Vladuta, A. Duta, Photocatalytic activity of cadmium doped TiO <sub>2</sub> films for photocatalytic degradation of dyes, <i>Chemical Engineering Journal</i> 152 (2009) 64-71.	Prim autor	6,216	6,216	45
23	M. Visa, R.A. Carcel, <b>L. Andronic</b> , A. Duta, Advanced treatment of wastewater with methyl orange and heavy metals on TiO <sub>2</sub> , fly	Co-autor	4,636	1,159	32

	ash and their mixtures, Catalysis Today 144 (1-2) (2009) 137-142.				
24	<b>L. Andronic</b> , B. Hristache, A. Enesca, M. Visa, A. Duta, Studies on titanium oxide catalyst doped with heavy metals (cadmium, copper and nickel), Environmental Engineering and Management Journal 8(4) (2009) 747-751.	Prim autor	1,096	1,096	7
25	M. Visa, <b>L. Andronic</b> , A. Duta, Photocatalytic properties of titania - fly ash thin films, Environmental Engineering and Management Journal 8(4) (2009) 633-638.	Co-autor	1,096	0,365	9
26	A. Enesca, <b>L. Andronic</b> , A. Duta, Wastewater treatment using optimized TiO <sub>2</sub> photocatalytic properties, Environmental Engineering and Management Journal 8(4) (2009) 753-758.	Co-autor	1,096	0,365	7
27	R. A. Carcel, <b>L. Andronic</b> , A. Duta, Cd <sup>2+</sup> modified TiO <sub>2</sub> for methyl orange photodegradation, Revue Roumaine de Chimie 54(4) (2009) 311-314.	Co-autor	0,246	0,082	0
28	<b>L. Andronic</b> , S. Manolache, A. Duta, Photocatalytic degradation of methyl orange: influence of H <sub>2</sub> O <sub>2</sub> in the TiO <sub>2</sub> -based system, Journal of Nanoscience and Nanotechnology 8 (2008) 728-732.	Prim autor	1,483	1,483	5
29	C. Vladuta, <b>L. Andronic</b> , M. Visa, A. Duta, Ceramic interface properties evaluation based on contact angle measurement, Surface & Coatings Technology 202 (2008) 2448-2452.	Co-autor	2,589	0,647	20
30	<b>L. Andronic</b> , A. Duta, The influence of TiO <sub>2</sub> powder and film on the photodegradation of methyl orange, Materials Chemistry and Physics 112 (3) (2008) 1078-1082.	Prim autor	2,084	2,084	42
31	<b>L. Andronic</b> , A. Duta, Thin TiO <sub>2</sub> films for dyes photodegradation, Thin Solid Films 515(16) (2007) 6294-6297.	Prim autor	1,879	1,879	52
32	<b>L. Andronic</b> , S. Manolache, A. Duta, TiO <sub>2</sub> thin films prepared by spray pyrolysis deposition (SPD) and their photocatalytic activities, Journal of Optoelectronics and Advanced Materials 9(5) (2007) 1403-1406.	Prim autor	0,449	0,449	3
33	S. A. Manolache, <b>L. Andronic</b> , A. Duta, A. Enesca, The influence of the deposition condition on crystal growth and on the band gap of CuSbS <sub>2</sub> thin film absorber used for solid state solar cells (SSSC), Journal of Optoelectronics and Advanced Materials 9(5) (2007) 1269-1272.	Co-autor	0,449	0,112	10
34	A. Enesca, <b>L. Andronic</b> , A. Duta, S. Manolache, Optical properties and chemical stability of WO <sub>3</sub> and TiO <sub>2</sub> thin films photocatalysts, Romanian Journal of Information Science and Technology 10 (2007) 269-277	Co-autor	0,365	0,091	13
<b>Articole publicate in jurnale indexate ISI (fara factor de impact)</b>					
35	A. Duta, A. Enesca, <b>L. Andronic</b> , Tailoring Photocatalytic Properties of Tungsten Oxide Thin Films, Advanced Materials Research, vol. 79-82, p. 847-850, 2009, DOI: 10.4028/www.scientific.net/AMR.79-82.847	Co-autor	0	0	1
36	<b>L. Andronic</b> , A. Duta, Influence of pH and H <sub>2</sub> O <sub>2</sub> on dyes photodegradation, Physica Status Solidi C - Current Topics in Solid State Physics, vol. 5, no. 10, p. 3332-3337, 2008, DOI: 10.1002/pssc.200778880	Prim autor	0	0	5
37	<b>L. Andronic</b> , A. Duta, Titanium dioxide thin film for photodegradation of methyl orange, Advanced Materials Research, Vol. 23, p. 325-328, 2007, DOI: 10.4028/www.scientific.net/AMR.23.325	Prim autor	0	0	2

<b>Articole publicate in volume ale unor conferinte indexate ISI (proceedings fara factor de impact)</b>					
38	A.Enesca, <b>L. Andronic</b> , S. Manolache, A. Duta, „ Investigation of WO <sub>3</sub> and TiO <sub>2</sub> thin films used in photocatalysis”, International Semiconductor Conference, Sinaia, Romania, Book of proceeding, vol. 2, p. 241-244, IEEE proceedings: BFM58, ISBN: 1-4244-0109-7, 2006.	Co-autor	0	0	1
39	A. Duta, I. Visa, S.A. Manolache, A. Enesca, <b>L. Andronic</b> , G.R. Calin, “Nanostructured TiO <sub>2</sub> for Solar Energy Conversion”, International Semiconductor Conference, Sinaia, Romania, Book of Proceeding, vol. 2 p. 267-270, IEEE Catalog number: 05TH8818, ISBN: 0-7803-9214-0, Library of Congress: 2005925118, 2005.	Co-autor	0	0	0
<p><b>NT - Număr total articole ISI: 39 din care 34 în reviste cotate ISI, 3 în reviste indexate ISI și 2 în proceeding indexat ISI</b></p> <p><b>NP - Număr total articole ISI ca prim autor sau autor de corespondență: 17 din care 15 în reviste cotate ISI (iar 14 cu FI &gt; 1) și 2 în reviste indexate ISI</b></p>					

### Situația citărilor (fără autocitări) din baza Scopus sau ISI Web of Science

Nr. Crt.	Articol citat/articol care citează (fără autocitări)
<b>L. Andronic</b> , L. Isac, S. Miralles-Cuevas, M. Visa, I. Oller, A. Duta, S. Malato, Pilot-plant evaluation of TiO <sub>2</sub> and TiO <sub>2</sub> -based hybrid photocatalysts for solar treatment of polluted water, <i>Journal of Hazardous Materials</i> 320 (2016) 469-478.	
1	Zhang, LL, Shi, Y, Wang, L, Hu, C, AgBr-wrapped Ag chelated on nitrogen-doped reduced graphene oxide for water purification under visible light, <i>Applied Catalysis B-Environmental</i> Volume: 220 Pages: 118-125 Published: JAN 2018, Accession Number: WOS:000412957200012, ISSN: 0926-3373, Source: Web of Knowledge
2	Matos, J; Miralles-Cuevas, S; Ruiz-Delgado, A; Oller, I; Malato, S, Development of TiO <sub>2</sub> -C photocatalysts for solar treatment of polluted water, <i>CARBON</i> Volume: 122 Pages: 361-373 DOI: 10.1016/j.carbon.2017.06.091, Published: OCT 2017, Accession Number: WOS:000407394200040, ISSN: 0008-6223 Source: Web of Knowledge
3	Han, YH; Zhang, L; Wang, YF; Zhang, HM; Zhang, SQ, Photoelectrocatalytic activity of an ordered and vertically aligned TiO <sub>2</sub> nanorod array/BDD heterojunction electrode, <i>Science Bulletin</i> Volume: 62 Issue: 9 Pages: 619-625 DOI: 10.1016/j.scib.2017.03.009 Published: 2017, Accession Number: WOS:000403562500005, ISSN: 2095-9273 Source: Web of Knowledge
4	Askari, M.B., Banizi, Z.T., Soltani, S., Seifi, M. Comparison of optical properties and photocatalytic behavior of TiO <sub>2</sub> /MWCNT, CdS/MWCNT and TiO <sub>2</sub> /CdS/MWCNT nanocomposites, <i>Optik</i> , 157, pp. 230-239. DOI: 10.1016/j.ijleo.2017.11.080, Published: 2018, ISSN: 00304026 Source: Scopus
5	Qu, R., Liu, N., Chen, Y., Zhang, W., Zhu, G., Zhang, Q., Feng, L. Morphology-Induced TiO <sub>2</sub> Bandgap Change for Super Rapid Treatment of Dye Wastewater under Visible Light (2017) <i>Advanced Materials Technologies</i> , 2 (12), art. no. 1700125, DOI: 10.1002/admt.201700125, Source: Scopus
<b>M. Visa</b> , <b>L. Andronic</b> , <b>A. Enesca</b> , Behavior of the new composites obtained from fly ash and titanium dioxide in removing of the pollutants from wastewater, <i>Applied Surface Science</i> 388 (2016) 359-369.	
1	Ye, J., Zhu, C., Zhang, P., Zhang, Q., Nabi, M., Wang, X. Power production waste (2017) <i>Water Environment Research</i> , 89 (10), pp. 1403-1416. DOI: 10.2175/106143017X15023776270386 DOCUMENT, SOURCE: Scopus
<b>M. Visa</b> , <b>L. Andronic</b> , <b>A. Duta</b> , Fly ash TiO <sub>2</sub> nanocomposite material for multi-pollutants wastewater treatment, <i>Journal of Environmental Management</i> 150 (2015) 336-343.	
1	Bansal, P; Verma, A, Novel Fe-TiO <sub>2</sub> composite driven dual effect for reduction in treatment time of pentoxifylline: Slurry to immobilized approach, <i>MATERIALS &amp; DESIGN</i> Volume: 125 Pages: 135-145

	DOI: 10.1016/j.matdes.2017.03.083 Published: 2017 Accession Number: WOS:000402490400016, Source: Web of Knowledge
2	Li, B.G., Wang, M., Preparation and adsorption properties of Fe/Chitosan/Fly ash composite, Materials Science Forum, 898 MSF, pp. 1885-1891, DOI: 10.4028/www.scientific.net/MSF.898.1885, Published: 2017, Source: Scopus
3	Thao, LTS; Dang, TTT; Khanitchaidecha, W; Channei, D; Nakaruk, A, Photocatalytic Degradation of Organic Dye under UV-A Irradiation Using TiO <sub>2</sub> -Vetiver Multifunctional Nano Particles, MATERIALS Volume: 10 Issue: 2 Article Number: 122 DOI: 10.3390/ma10020122 Published: FEB 2017, Accession Number: WOS:000395445800029, Source: Web of Knowledge
4	Wang, NN; Zhao, Q; Zhang, AL, Catalytic oxidation of organic pollutants in wastewater via a Fenton-like process under the catalysis of HNO <sub>3</sub> -modified coal fly ash, RSC ADVANCES Volume: 7 Issue: 44 Pages: 27619-27628 DOI: 150.1039/c7ra04451h Published: 2017, Accession Number: WOS:000402166600052, ISSN: 2046-2069, Source: Web of Knowledge
5	Koshy, N; Singh, DN, Fly ash zeolites for water treatment applications, JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING Volume: 4 Issue: 2 Pages: 1460-1472 DOI: 10.1016/j.jece.2016.02.002 Published: JUN 2016, Accession Number: WOS:000391696100007, ISSN: 2213-3437, Source: Web of Knowledge
6	Sharon, M; Modi, F; Sharon, M, Titania based nanocomposites as a photocatalyst: A review, AIMS MATERIALS SCIENCE Volume: 3 Issue: 3 Pages: 1236-1254 DOI: 10.3934/matserci.2016.3.1236 Published: 2016, Accession Number: WOS:000390882300031, ISSN: 2372-0468, Source: Web of Knowledge
7	Ma, MJ; Guo, WJ; Yang, ZP; Huang, SX; Wang, GY, Preparation and Photocatalytic Activity of TiO <sub>2</sub> /Fine Char for Removal of Rhodamine B, Journal Of Nanomaterials Article Number: 538275 DOI: 10.1155/2015/538275 Published: 2015, Accession Number: WOS:000352871100001, ISSN: 1687-4110, Source: Web of Knowledge
8	Algubury, H.Y. Study the activity of titanium dioxide nanoparticle using orange G dye Source: Malaysian Journal of Science, 35 (2), pp. 319-330. Published: 2016, Source: Scopus
<a href="#">L. Andronic, A. Enesca, C. Cazan, M. Visa, TiO<sub>2</sub>-active carbon composites for wastewater photocatalysis, Journal of Sol-Gel Science and Technology 71 (2014) 396-405.</a>	
1	Yang, HM; Park, SJ, A Study on Photocatalytic Behaviors of Activated Carbon Fibers Impregnated with N-Doped Titania, Journal Of Nanoscience And Nanotechnology Volume: 17 Issue: 10 Pages: 7593-7597 DOI: 10.1166/jnn.2017.14789 Published: OCT 2017, Accession Number: WOS:000410615300096, ISSN: 1533-4880
2	Popa, N, Visa, M, The synthesis, activation and characterization of charcoal powder for the removal of methylene blue and cadmium from wastewater Source: Advanced Powder Technology Volume: 28 Issue: 8 Pages: 1866-1876 DOI: 10.1016/j.appt.2017.04.014 Published: AUG 2017
3	Qu, LL (Qu, Lu-Lu); Wang, N (Wang, Na); Li, YY (Li, Yan-Yan); Bao, DD (Bao, Dan-Dan); Yang, GH (Yang, Guo-Hai); Li, HT (Li, Hai-Tao), Novel titanium dioxide-graphene-activated carbon ternary nanocomposites with enhanced photocatalytic performance in rhodamine B and tetracycline hydrochloride degradation Source: Journal Of Materials Science Volume: 52 Issue: 13 Pages: 8311-8320 DOI: 10.1007/s10853-017-1047-0 Published: JUL 2017
4	Ciprian, M (Ciprian, Mihoreanu); Alexandru, E (Alexandru, Enesca); Anca, D (Anca, Duta), SiO <sub>2</sub> /TiO <sub>2</sub> multi-layered thin films with self-cleaning and enhanced optical properties Source: Bulletin Of Materials Science Volume: 40 Issue: 3 Pages: 473-482 DOI: 10.1007/s12034-017-1398-9 Published: JUN 2017
5	Orha, C., Lazau, C., Ursu, D., Manea, F. Effect of TiO <sub>2</sub> loading on powder-Activated carbon in advanced drinking-water treatment (2017) WIT Transactions on Ecology and the Environment, 216, pp. 203-211. DOI: 10.2495/WS170191 DOCUMENT TYPE: Article SOURCE: Scopus
<a href="#">A. Enesca, L. Isac, L. Andronic, D. Perniu, A. Duta, Tuning SnO<sub>2</sub>-TiO<sub>2</sub> tandem systems for dyes mineralization, Applied Catalysis B: Environmental 147 (2014) 175-184.</a>	
1	Kong, X.-B., Li, F., Qi, Z.-N., Qi, L., Yao, M.-M. SnO <sub>2</sub> -based thin films with excellent photocatalytic performance (2017) Journal of Materials Science: Materials in Electronics, 28 (11), pp. 7660-7667. DOI: 10.1007/s10854-017-6459-8, SOURCE: Scopus
2	Wu, L., Yan, H., Li, X., Wang, X., Characterization and photocatalytic properties of SnO <sub>2</sub> -TiO <sub>2</sub> nanocomposites prepared through gaseous detonation method (2017) Ceramics International, 43 (1), pp.

	1517-1521. DOI: 10.1016/j.ceramint.2016.10.124, SOURCE: Scopus
3	Enesca, A., Yamaguchi, Y., Terashima, C., Fujishima, A., Nakata, K., Duta, A. Enhanced UV-Vis photocatalytic performance of the CuInS <sub>2</sub> /TiO <sub>2</sub> /SnO <sub>2</sub> hetero-structure for air decontamination (2017) <i>Journal of Catalysis</i> , 350, pp. 174-181.
4	Enesca, A., Baneto, M., Perniu, D., Isac, L., Bogatu, C., Duta, A. Solar-activated tandem thin films based on CuInS <sub>2</sub> , TiO <sub>2</sub> and SnO <sub>2</sub> in optimized wastewater treatment processes (2016) <i>Applied Catalysis B: Environmental</i> , 186, pp. 69-76. DOI: 10.1016/j.apcatb.2015.12.053 SOURCE: Scopus
5	Livraghi, S., Barbero, N., Agnoli, S., Barolo, C., Granozzi, G., Sauvage, F., Giamello, E. A multi-technique comparison of the electronic properties of pristine and nitrogen-doped polycrystalline SnO <sub>2</sub> (2016) <i>Physical Chemistry Chemical Physics</i> , 18 (32), pp. 22617-22627. DOI: 10.1039/c6cp02822e SOURCE: Scopus
6	Zhang, P., Wang, L., Zhang, X., Shao, C., Hu, J., Shao, G. SnO <sub>2</sub> -core carbon-shell composite nanotubes with enhanced photocurrent and photocatalytic performance (2015) <i>Applied Catalysis B: Environmental</i> , 166-167, pp. 193-201. DOI: 10.1016/j.apcatb.2014.11.031 SOURCE: Scopus
7	Visa, M., Bogatu, C., Duta, A. Tungsten oxide - fly ash oxide composites in adsorption and photocatalysis (2015) <i>Journal of Hazardous Materials</i> , 289, pp. 244-256. DOI: 10.1016/j.jhazmat.2015.01.053 SOURCE: Scopus
8	Luo, Q., Wang, L., Wang, D., Yin, R., Li, X., An, J., Yang, X. Preparation, characterization and visible-light photocatalytic performances of composite films prepared from polyvinyl chloride and SnO <sub>2</sub> nanoparticles (2015) <i>Journal of Environmental Chemical Engineering</i> , 3 (2), pp. 622-629. DOI: 10.1016/j.jece.2015.02.002 SOURCE: Scopus
9	Enesca, A., Isac, L., Duta, A. Charge carriers injection in tandem semiconductors for dyes mineralization (2015) <i>Applied Catalysis B: Environmental</i> , 162, pp. 352-363. DOI: 10.1016/j.apcatb.2014.06.059 SOURCE: Scopus
10	Wu, D., Wang, H., Li, C., Xia, J., Song, X., Huang, W. Photocatalytic self-cleaning properties of cotton fabrics functionalized with p-BiOI/n-TiO <sub>2</sub> heterojunction (2014) <i>Surface and Coatings Technology</i> , 258, pp. 672-676. DOI: 10.1016/j.surfcoat.2014.08.019 SOURCE: Scopus
11	Liu, D., Wei, Z., Hsu, C.-J., Shen, Y., Liu, F. Efficient solar energy storage using A TiO <sub>2</sub> /WO <sub>3</sub> tandem photoelectrode in an all-vanadium photoelectrochemical cell (2014) <i>Electrochimica Acta</i> , 136, pp. 435-441. DOI: 10.1016/j.electacta.2014.05.129 SOURCE: Scopus
12	Zhao, Y., Zhang, Y., Li, J., Chen, Y. Solvothermal synthesis of nonmetals-modified SnO <sub>2</sub> nanoparticles with high visible-light-activated photocatalytic activity in the reduction of aqueous Cr(VI) (2014) <i>Separation and Purification Technology</i> , 129, pp. 90-95. DOI: 10.1016/j.seppur.2014.04.005 SOURCE: Scopus
13	Stambolova, I., Blaskov, V., Shipochka, M., Eliyas, A., Vassilev, S. Effect of post-synthesis acid activation of TiO <sub>2</sub> nanofilms on the photocatalytic efficiency under visible light (2014) <i>Journal of Physics: Conference Series</i> , 558 (1), art. no. 012055, DOI: 10.1088/1742-6596/558/1/012055 SOURCE: Scopus
<b>L. Andronic, D. Perniu, A. Duta, Synergistic effect between TiO<sub>2</sub> sol-gel and Degussa P25 in dye photodegradation, <i>Journal of Sol-Gel Science and Technology</i>, 66 (3) (2013) 472-480.</b>	
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