

Papers list

IF= factorul de impact al revistei (cnf. Pagina WEB)

SRI= scorul relativ de influenta al revistei (cnf. UEFISCDI)

No.	Paper details	IF	SRI
<u>1</u>	Maria, G., Gijiu, C.L., Maria, C., Tociu, C., Mihalachi, M. , Importance of considering the isotonic system hypothesis when modelling the self-control of gene expression regulatory modules in living cells, <i>Current Trends in Biomedical Engineering & Biosciences</i> , 12(2), CTBEB.MS.ID.555833 (2018), DOI : 10.19080/CTBEB.2018.12.555833. https://juniperpublishers.com/ctbeb/	1.126	0
<u>2</u>	Maria, G., Mihalachi, M. , Gijiu, C.L., Model-based identification of some conditions leading to glycolytic oscillations in <i>E. coli</i> cells, <i>Chemical and Biochemical Engineering Quarterly</i> . IF = 1.383. ISSN= 0352-9568, 32(4), 523-533, 2018, doi: 10.15255/CABEQ.2018.1300. WOS:000455636700012	1.383	0.654
<u>3</u>	Maria, G., Mihalachi, M. , Gijiu, C.L., Chemical engineering tools applied to simulate some conditions producing glycolytic oscillations in <i>e. coli</i> cells, <i>U.P.B. Sci. Bull., Series B - Chimie</i> , 80(2), 27-38, 2018, http://www.scientificbulletin.upb.ro/ . ISSN= 1454-2331	0	0
<u>4</u> <u>Q1</u> <u>Q2</u>	Maria, G., Mihalachi, M. , Gijiu, C.L., <i>In silico</i> optimization of a bioreactor with an <i>E. coli</i> culture for tryptophan production by using a structured model coupling the oscillating glycolysis and tryptophan synthesis, <i>Chemical Eng. Res. and Design</i> , 135, 207-221, 2018, if= 3.2, ISSN 0263-8762, HTTPS://doi.org/10.1016/j.cherd.2018.05.011. WOS:000439673000019	4.119	1.783
<u>5</u>	Mihalachi, M. , Maria, G., Influence of pep glycolytic precursor on tryptophan synthesis dynamics in <i>e. coli</i> cells, <i>U.P.B. Sci. Bull., Series B - Chimie</i> , 81(2), 29-36, 2019, http://www.scientificbulletin.upb.ro/ . issn= 1454-2331. wos:000487213500003	0	0
<u>6</u>	Mihalachi, M. , Maria, G., Gijiu, L.C., <i>in-silico</i> modulate glycolytic oscillator in modified <i>e. coli</i> to control bioprocesses of industrial interest, <i>Bulletin of Romanian Chemical Engineering Society</i> , vol. 6, no. 1, pp. 1-45, 2019, ; ISSN 2360-4697	0	0
	TOTAL	6.628 (excelent)	2.437 (f. bine)
	CNATDCU requirements	1-2 (bine) 2-4 (f. bine) >4 (excelent)	0.5-1.8 (bine) obligatoriu peste 0.5

Communications in conferences:

- Mihalachi, M.**,(*, speaker), Maria, G., Gijiu, C.L., *In-silico* modulate glycolytic oscillator in modified *E. coli* to control bioprocesses of industrial interest, 21-th Romanian International Conference on Chemistry and Chemical Engineering RICCE-21, Constanta-Mamaia (Romania), 4-7 Sept. 2019. <http://ricce21.chimie.upb.ro>