Списък с научните публикации и патенти на гл. ас. д-р Юлиан Загранярски, представени за участие в конкурса за доцент

I. Публикации:

[1]. *Conjugate addition of N,N-disubstituted phenylacetamides and 2H-indol-2-one to 2-arylmethylene-1,4-lactones and benzolactones*, Tz. Cholakova, **Y. Zagranjarsky**, A**.** Dobrev, *God. Sofii. Univ., Khim. Fac.*, **2004**, *97 (2)*, 57-63.
IF = няма

[2]. *Synthesis of Dimethylphosphinyl Substituted α-Amino(aryl)methylphosphonic Acids and their Esters*, **Y. Zagraniarsky**, B. Ivanova, K. Nikolov, S. Varbanov, T. Cholakova, *Z. Naturforsch.*, **2008**, *63b*, 1192-1198.
IF = 0.852 (2008)

[3]. *Novel Organic Material with potential NLO application – electronic and spectroscopic properties*, B.B. Koleva, T. Kolev, R. Nikolova, **Y. Zagraniarsky**, M. Spiteller, *Cent. Eur. J. Chem.*, **2008**, *6 (4)*, 592-599.
IF = 0.741 (2008)

[4]. *Herbicide and tobacco callus growth regulated activity of new synthesized substances*, M. Dimitrova, D. Draganova, V. Kapchina-Toteva, **Y. Zagraniarsky**, T. Tsholakova, *Biotechnol. and Biotechnol EQ*, **2009**, *23(SE)*, 323-325.
IF = 0.291 (2009)

[5]. *Facile Transformation of Perylene Tetracarboxylic Acid Dianhydride into Strong Donor–Acceptor Chromophores*, **Yulian Zagranyarski**, Long Chen, Yanfei Zhao, Henrike Wonneberger, Chen Li and Klaus Müllen, *Organic Letters*, **2012**, *14 (21)*, 5444–5447.
IF = 6.142 (2012)

[6]. *Синтез на β-лактами с участието на имини или β-аминокиселини и техни производни*, Ал. Добрев, **Ю. Загранярски**, *Bulg. J. Chem.*, **2013**, *2*, 45-59.
IF = няма

[7]. *Toward Perylene Dyes by the Hundsdiecker Reaction*, **Yulian Zagranyarski**, Long Chen, Daniel Jänsch, Thomas Gessner, Chen Li and Klaus Müllen, *Organic Letters*, **2014**, *16 (11)*, 2814–2817.
IF = 6.364 (2014)

[8]. *Influence of [dimethylphosphinylmethyl)amino](phenyl)methylphosphonic acid on ATPase activity of rat liver mitochondria*, M. Shkodrova, M. Vydevska-Chichova, H. Dimov, D. Ganchev, D. Doncheva-Stoimenova, **Y. Zagranyarski**, Ts. Cholakova and S. Varbanov, *Bul. J. Agr. Sc.*, **2014**, *20*, 9–14.
IF = 0.30 (2014)

[9]. *On-Surface Synthesis of Rylene-Type Graphene Nanoribbons*, Haiming Zhang, Haiping Lin, Kewei Sun, Long Chen, **Yulian Zagranyarski**, Nabi Aghdassi, Steffen Duhm, Qing Li, Dingyong Zhong, Youyong Li, Klaus Müllen, Harald Fuchs, and Lifeng Chi, *J. Am. Chem. Soc.*, **2015**, *137 (12)*, 4022–4025.
IF = 13.038 (2015)

[10]. *Self-Assembly of an Amphiphilic π-Conjugated Dyad into Fibers: Ultrafast and Ultrasensitive Humidity Sensor*, Marco A. Squillaci, Laura Ferlauto, **Yulian Zagranyarski**, Silvia Milita, Klaus Müllen, Paolo Samori, *Advanced Materials*, **2015**, *27*, 3170-3174.
IF = 18.96 (2015)

[11]. *Two Dimensional Polymerization of Graphene Oxide: Bottom-up Approach*, Victor Atanasov, Stoyan Russev, Lyudmil Lyutov, **Yulian Zagranyarski**, Iglika Dimitrova, Georgy Avdeev, Ivalina Avramova, Evgenia Vulcheva, Kiril Kirilov, Atanas Tzonev, Miroslav Abrashev, Gichka Tsutsumanova, *Materials Chemistry and Physics*, **2015**, *163*, 172-181.
IF = 2.10 (2015)

[12]. *Water-soluble NIR-absorbing rylene chromophores for selective staining of cellular organelles*, Stefka Kaloyanova, **Yulian Zagranyarski**, Sandra Ritz, Mária Hanulová, Kaloian Koynov, Andreas Vonderheit, Kalina Peneva and Klaus Müllen, *J. Am. Chem. Soc.*, **2016**, *138* (9), 2881–2884.
IF = 12.98 (2015/2016)

[13]. *Facile synthesis of annulated heterocyclic benzo[kl]acridine derivatives via one-pot N-H/C-H coupling*, **Zagranyarski Y.**, Skabeev A., Ma Y., Müllen K., Li C., *Org. Chem. Front.*, **2016**, *3*, 1520-1523.
IF = 4.693 (2016)

Общ IF: 66.461 **5.11** (средно за статия)

II. Патенти:

[П1]. *Double donor functionalisation of the peri-positions of perylene and naphthalene monoimide via versatile building blocks*, Henrike Wonneberger, Helmut Reichelt, **Yulian Zagranyarski**, Chen Li, Klaus Müllen, Long Chen, *WO2014033620 A2*, 06.03.**2014**.

Публикуван още като:

- Американски патент: US2015225413A1
- Австарлийски патент: AU2013308097A1
- Китайски патент: CN104603112A
- Японски патент: JP2015526502A
- Корейски патент KR20150046286A

[П2]. *Conveniently prepared naphthalene and perylene derivatives as building blocks for organic electronic materials and dyestuff*, Thomas Gessner, Helmut Reichelt, **Yulian Zagranyarski**, Long Chen, Chen Li, Klaus Müllen, *WO2014033622 A2*, 06.03.**2014** (30.08.2012).

Публикуван още като:

- Американски патент: US2015225418A1
- Китайски патент: CN104583161A
- Японски патент: JP2015534542A
- Корейски патент KR20150045515A

[П3]. *Perylenemonoimide and naphthalenemonoimide derivatives and their use in dye-sensitized solar cells*, Henrike Wonneberger, Gregory Neil Pschirer, Luiz Flavio Benedito, Ingmar Bruder, Robert Send, **Yulian Zagranyarski**, Chen Li, Klaus Müllen, Long Chen, Artem Nikolaevich Skabeev, *WO2014147525 A2*, 25.09.**2014**.

Публикуван още като:

- Американски патент: US20160024106A1
- Австарлийски патент: AU2014233849A1
- Китайски патент: CN105143153A
- Японски патент: JP2016520997A
- Корейски патент KR20150133785A

[П4]. *Method for synthesis of graphene oxide*, Lyudmil Lyutov, Viktor Atanasov, Iglika Dimitrova, Stoyan Rusev, Yulian Zagranyarski, *BG 111596 (A)*, **2015**.