



ACADEMIA ROMÂN
SCOSAAR

FI A DE ÎNDEPLINIRE A STANDARDELOR MINIMALE conform CNATDCU

Candidat: dr. ing. Coseri Sergiu

FI A DE VERIFICARE
a îndeplinirii standardelor minime

| Conditii minime | | Punctaj obtinut de candidat |
|--|------------------------------------|--------------------------------|
| | Profesor universitar/ Abilitare | |
| Activitate didactic /profesional (A1) | 9 puncte | 9 |
| Activitate de cercetare (A2) | 41 puncte | $38+2+24+8 = 72$ |
| Recunoasterea impactului activit ii (A3) | 50 puncte | 152 |
| Total | 100 puncte | 233 |

Semn tura:

Anexa nr. 4.

| Structura activitatii – dr. ing. Sergiu Coseri, CS II | | | | | | | |
|---|--|---------------------|--|---|-----------|---|------------------------------|
| Nr crt. | Domeniul activitatilor | Tipul activitatilor | | Categorii si restrictii | Indicator | Numar activitati candidat | Punctaj realizat de candidat |
| 1 | Activitate didactica si profesionala (A1) | 1.1 | Carti sau capitole de carte Profesor: - minim 3 prim autor - minim 1 | Profesor – 9 CS I - 0 | 3 | 3* (1 carte, 2 capitole de carte, prim autor la 1 carte si la 1 capitol de carte) | 9 |
| 2 | Activitate de cercetare (A2) | 2.1 | Articole in reviste cotate ISI Thomson Reuters | Minim 35 Minim 23 in reviste internationale FI cumulat, minim 40 Autor principal/corespondent, minim 10 articole | 1 | 38* | 38 |
| | | | | | - | 32 | |
| | | | | | - | 123.89 | |
| | | | | | 1 | 21 | |
| | | | Brevete de inventie si inovare | Internationale nationale | 10 1 | - 2* | - 2 |
| | | 2.2 | Granturi/proiecte c stigat prin competitie | Director/responsabil, minim 1 Membru in echipa, minim 1 | 4 | 6 | 24 |
| | | | | | 2 | 4 | 8 |
| 3 | Recunoasterea si impactul activitatii (A3) | 3.1 | Citari in reviste ISI | Minim 100 | 0.5 | 304** | 152 |

*Conform Anexa 4.1; **Conform Anexa 4.2

A N E X A 4.1

La Fisa de evaluare

(standarde minimale CSI, Anexa 4, Ordin MECTS 6560/2012)

Dr. ing. Sergiu Coseri

Institutul de Chimie Macromoleculara "Petru Poni" Iasi, Romania

1. Activitate didactica si profesionala (A1)

1.1. Carti sau capitol de carte

Carti publicate:

1.1.1. S. Coseri, "Poliuretanii Aspecte privind reactivitatea izocianatilor cu compusii hidroxilici", Editura Fides, Iasi, ISBN 973-8930-06-5, **2006**.

Capitole in carti:

1.1.2. S. Coseri, Chapter 4: Reaction mechanisms and kinetic methods used to describe the uncatalyzed reaction between isocyanates and hydroxyl compounds. *In Recent Research Trends in Polymer Science*, Ed. Elena Scortanu, Published by Transworld Research Network, **2009**; Transworld Research Network T.C. 37/661(2), Fort P.O., Trivandrum-695 023, Kerala, India. ISBN: 978-81-7859-427-1

1.1.3. T. Heinze, A. Koschella, T. Liebert, V. Harabagiu, S. Coseri; Chapter 10: Cellulose: chemistry of cellulose derivatisation; in *The European Polysaccharide Network of Excellence (EPNOE) Research initiatives and results.*, pp. 283-327, Navard, Patrick (Ed.), **Springer, 2013**, ISBN 978-3-7091-0420-0

2. Activitate de cercetare (A2)

2.1. Articole in reviste cotate ISI Thomson Reuters

| | Articole in reviste cotate ISI Thomson Reuters | Factor de impact |
|----|--|------------------|
| 1. | A.A. Caraculacu, I. Agherghinei, P. Baron, G. Caraculacu, S. Coseri Dibenzyllic structures on macromolecular chain: IX The interaction of urethane-isocyanate groups in polyurethane formation <i>Eur. Polym. J.</i> , 32(10), 1235-1242, 1996 . | 3.05 |
| 2. | A.A. Caraculacu, I. Agherghinei, P. Baron, S. Coseri Hydrogen bond self-association and chemical reactivity. I Kinetic study of reactions between glycols and phenylisocyanate <i>Rev. Roum. Chim.</i> , 41(7-8), 539-549, 1996 . | 0.311 |
| 3. | S. Coseri ,* A. A. Caraculacu 1,2-ethylene-bis(p-N ₂ -phenylene-N ₁ ,N ₁ -dimethylformamidine) <i>Molecules</i> , 5, M165, 2000 . | 2.416 |
| 4. | S. Coseri , A. A. Caraculacu 1,2-ethylene-bis(o-N ₂ -phenylene-N ₁ ,N ₁ -dimethylformamidine) <i>Molecules</i> , 5, M166, 2000 . | 2.416 |
| 5. | A.A. Caraculacu, S. Coseri Hydrogen bond self-association and chemical reactivity. III. Urethane reaction | 0.311 |

| | | |
|-----|--|-------|
| | and hydrogen bond life time <i>Rev. Roum. Chim.</i> , 45 (2), 139-147, 2000 . | |
| 6. | A.A. Caraculacu, S. Coseri Isocyanates in polyaddition processes. Structure and reaction mechanisms <i>Progr. Polym. Sci.</i> , 26 (5), 799-851, 2001 . | 26.93 |
| 7. | Sergiu Coseri ,* Keith Ingold Distinguishing between Abstraction and addition as the First step in the Reaction of a Nitroxyl Radical with Cyclohexene <i>Org. Lett.</i> , 6 (10), 1641-1643, 2004 . | 6.364 |
| 8. | Sergiu Coseri ,* G. David Mendenhall and K.U. Ingold Mechanisms of reactions of Aminoxyl (Nitroxide), Iminoxyl, and Imidoxyl Radicals with Alkenes and Evidence that in the Presence of Lead Tetraacetate, N-Hydroxyphthalimide Reacts with Alkenes by Both Radical and Nonradical Mechanisms <i>J. Org. Chem.</i> , 70, 4629-4636, 2005. | 4.721 |
| 9. | Sergiu Coseri * A New and Efficient Heterogeneous System for the Phthalimide-N-oxyl Radical (PINO) Generation <i>Eur. J. Org. Chem.</i> , 1725-1729, 2007. | 3.065 |
| 10. | Sergiu Coseri * The Effect of Various Additives on the Kinetic and Reaction Mechanism between Ethanol and Phenylisocyanate <i>High Performance Polymers</i> , 19(5), 520-530, 2007. | 1.286 |
| 11. | Sergiu Coseri * N-Hydroxyphthalimide (NHPI)/Lead Tetraacetate, a Peculiar System for the Phthalimide-N-Oxyl (PINO) Radical Generation. <i>Mini-Reviews in Organic Chemistry</i> , 5(3), 222-227, 2008. | 1.042 |
| 12. | Sergiu Coseri * N-Hydroxyphthalimide (NHPI)/lead tetraacetate reactions with cyclic and acyclic alkenes <i>Journal of Physical Organic Chemistry</i> , 22(5), 397 – 402, 2009. | 1.380 |
| 13. | Sergiu Coseri * Phthalimide-N-oxyl (PINO) Radical, a Powerful Catalytic Agent; Its Generation and Versatility Towards Various Organic Substrates, <i>Catalysis Reviews Science and Technology</i> , 51 (2), 218-292, 2009 . † top three most cited article published between 2009-2011 (listed are top five) | 8.471 |
| 14. | Sergiu Coseri * Natural products and their analogues as efficient anticancer drugs <i>Mini-Reviews in Medicinal Chemistry</i> , 9 (5), 560 – 571, 2009 . | 2.903 |
| 15. | S. Coseri ,* G. Nistor, L. Fras, S. Strnad, V Harabagiu, B. C. Simionescu Mild and Selective Oxidation of Cellulose Fibers in the Presence of N-Hydroxyphthalimide <i>Biomacromolecules</i> , 10 (8), 2294-2299, 2009 . | 5.750 |
| 16. | S. Coseri Diisocyanates reactivity with diols under pseudo-high dilution condition <i>Rev. Roum. Chim.</i> , 54(11-12), 1051-1055, 2009. | 0.311 |
| 17. | Gabriela Biliuta, Lidia Fras, Simona Strnad, Valeria Harabagiu, Sergiu Coseri * Oxidation of Cellulose Fibers Mediated by Nonpersistent Nitroxyl Radicals <i>Journal of Polymer Science, Part A: Polymer Chemistry</i> , 48 (21), 4790-4799, 2010 . | 3.113 |

| | | |
|-----|--|-------|
| 18. | G. Biliuta, L.Fras, V.Harabagiu, S. Coseri* Mild oxidation of cellulose fibers using dioxygen as ultimate oxidizing agent <i>Digest Journal of Nanomaterials and Biostructures</i> , 6 (1), 293 – 299, 2011 . | 0.945 |
| 19. | Marius Dobromir, Gabriela Biliuta, Dumitru Luca, Magdalena Aflori, Valeria Harabagiu, Sergiu Coseri* XPS study of the ion-exchange capacity of the native and surface oxidized viscose fibers <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 381 (1-3), 106-110, 2011 . | 2.752 |
| 20. | M. Homocianu, G. Biliuta, A. Airinei, S. Coseri* UV-vis study of some non persistent nitroxyl radicals <i>Optoelectronics and Advanced Materials – Rapid Communications (OAM-RC)</i> , 5(5), 567-571, 2011 . | 0.394 |
| 21. | Sergiu Coseri,* Gabriela Biliuta Bromide-free oxidizing system for carboxylic moiety formation in cellulose chain <i>Carbohydrate Polymers</i> , 90, 1415-1419, 2012 . | 4.074 |
| 22. | Simona Gabriela Muntean, Oana Paska, Sergiu Coseri , Georgeta Maria Simu, Maria Elena Grad and Gheorghe Ilia Evaluation of a functionalized copolymer as adsorbent on direct dyes removal process: Kinetics and equilibrium studies <i>Journal of Applied Polymer Science</i> , 127(6), 4409-4421, 2013. | 1.768 |
| 23. | Gabriela Biliuta, Lidija Fras, Mioara Drobot, Zdenka Persin, Tatjana Kreze, Karin Stana-Kleinschek, Volker Ribitsch, Valeria Harabagiu, Sergiu Coseri* Comparison study of TEMPO and phthalimide-N-oxyl (PINO) radicals on oxidation efficiency toward cellulose <i>Carbohydrate Polymers</i> , 91(2), 502-507, 2013 . | 4.074 |
| 24. | C. Prisacariu, E. Scortanu, , S. Coseri , B. Agapie Characterization of Shape-Memory Trifunctionally Cross-Linked Polyurethanes, with Varying Hard and Soft Segments <i>International Journal of Polymer Analysis and Characterization</i> , 18, 154-161, 2013 . | 1.264 |
| 25. | C. Prisacariu, E. Scortanu, S. Coseri , B. Agapie Effect of Soft Segment Polydispersity on the Elasticity of Polyurethane Elastomers <i>Industrial and Engineering Chemistry Research</i> , 52(6), 2316-2322, 2013 . | 2.587 |
| 26. | Sergiu Coseri,* Gabriela Biliuta, Bogdan C. Simionescu, Karin Stana-Kleinschek, Volker Ribitsch, Valeria Harabagiu Oxidized cellulose—Survey of the most recent achievements <i>Carbohydrate Polymers</i> , 93(1), 207-215, 2013 . | 4.074 |
| 27. | C. Prisacariu, E. Scortanu, B. Agapie, V. Prisacariu, S. Coseri Inelastic response of copolyurethane elastomers with varying soft segment molecular weight and preparation procedure <i>Polymer International</i> , 62(11), 1600-1607, 2013 . | 2.409 |
| 28. | S. Coseri,* A. Doliska, K. Stana-Kleinschek Immobilization of Water-Soluble 6-Carboxylcellulose on Poly(ethylene terephthalate) Films Monitored by a Quartz Crystal Microbalance with Dissipation <i>Industrial and Engineering Chemistry Research</i> , 52(22), 7439-7444, 2013 . | 2.587 |
| 29. | Mioara Drobot, Zdenka Persin, Lidija Fras Zemljic, Tamiselvan Mohan, Karin Stana-Kleinschek, Ales Doliska, Matej Bracic, Volker Ribitsch, Valeria | 1.329 |

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| | Harabagiu, Sergiu Coseri Chemical modification and characterization of poly(ethylene terephthalate) surfaces for collagen immobilization <i>Central European Journal of Chemistry</i> , 11 (11), 1786-1798, 2013 . | |
| 30. | Daniela Suteu, Doina Balba, Sergiu Coseri Macroporous polymeric ion exchangers as adsorbents for the removal of cationic dye basic blue 9 from aqueous solutions <i>Journal of Applied Polymer Science</i> , 131(1), article number 39620, 2014 . | 1.768 |
| 31. | Alina Spatareanu, Maria Bercea, Tatiana Budtova, Valeria Harabagiu, Liviu Sacarescu, Sergiu Coseri* Synthesis, characterization and solution behaviour of oxidized pullulan <i>Carbohydrate Polymers</i> , 111, 63-71, 2014 . | 4.074 |
| 32. | D. Suteu, S. Coseri , M. Badeanu, C. Zaharia Valorization of food wastes as sorbent for dye retention from aqueous medium <i>Desalination and Water Treatment</i> , 54 (9), 2570-2580, 2014 . | 1.173 |
| 33. | Doris Breitwieser, Margit Kriechbaum, Heike M.A. Ehmman, Uwe Monkowius, Sergiu Coseri , Liviu Sacarescu, Stefan Spirk Photoreductive generation of amorphous bismuth nanoparticles using polysaccharides – Bismuth-cellulose nanocomposites <i>Carbohydrate Polymers</i> , 116, 261-266, 2015 . | 4.074 |
| 34. | Sergiu Coseri,* Alina Spatareanu, Liviu Sacarescu, Cristina Rimbu, Daniela Suteu, Stefan Spirk, Valeria Harabagiu Green synthesis of the silver nanoparticles mediated by pullulan and 6-carboxypullulan <i>Carbohydrate Polymers</i> , 116, 9-17, 2015 . | 4.074 |
| 35. | D. Suteu, G. Biliuta, L. Rusu, S. Coseri , G. Nacu Cellulose cellets as new type of adsorbent for the removal of dyes from aqueous media <i>Environmental Engineering and Management Journal</i> , 14(3), 525-532, 2015 . | 1.065 |
| 36. | D. Suteu, S. Coseri , L. Rusu Kinetics studies on the adsorption behaviour of Basic Blue 9 dye on macroporous ion exchanger resins <i>Desalination and Water Treatment</i> , 54(9), 2570-2580, 2015 . | 1.173 |
| 37. | Sergiu Coseri,* Gabriela Biliuta, Lidija Fras-Zemljic, Jasna Stevanic Srndovic, Tomas Larsson, Simona Strnad, Tatjana Kreze, Ali Naderi, Tom Lindstrom One-shot carboxylation of microcrystalline cellulose in the presence of nitroxyl radicals and sodium periodate <i>RSC Advances</i> , 5, 85889-85897, 2015 . | 3.84 |
| 38. | Sergiu Coseri,* Alina Spatareanu, Liviu Sacarescu, Vlad Socoliuc, Ioan Sorin Stratulat, Valeria Harabagiu Pullulan: A versatile coating agent for superparamagnetic iron oxide nanoparticles <i>Journal of Applied Polymer Science</i> , 133 (5), 1091, 2016 . | 1.768 |
| TOTAL | | 123.89 |

* Denota autorul corespondent

| Articole in reviste necotate ISI Thomson Reuters | | |
|--|--|---|
| 1. | Sergiu Coseri* 2-(1-ethyl-but-2-enyloxy)-isoindole-1,3-dione <i>Molbank</i> , M459, 2006 . | - |
| 2. | Sergiu Coseri* 2-(cyclohex-2-enyloxy)-isoindole-1,3-dione <i>Molbank</i> , M460, 2006 . | - |
| 3. | Sergiu Coseri* 2-(cyclooct-2-enyloxy)-isoindole-1,3-dione <i>Molbank</i> , M461, 2006 . | - |

Brevete de inventie si inovare

1. Procedeu de obtinere a 1-benzil-2-hidroximetilimidazol

Autori: Rodinel Ardeleanu, **Sergiu Coseri**, Lucia Pricop,
Inregistrat OSIM: A/00533 16.07.2012

2. Procedeu de oxidare a fibrelor celulozice utilizand oxigenul molecular

Autori: **Sergiu Coseri**, G. Biliuta, R. Ardeleanu, V. Harabagiu
Inregistrat OSIM: A/00709 08.10.2012.

2.2. Granturi/proiecte câ tigate prin competitie

- ca director de proiect

1. S. Coseri, (director proiect) E. Hitruc, A. Caraculacu

“Sinteza si caracterizarea structurilor de tip uretan-eter-coroana”, grant tineret, etapa **2000**

Beneficiar: “Agentia Nationala pentru stiinta, Tehnologie si Inovare” Bucuresti

Valoare grant: 14.000.000 lei

2. S. Coseri, (director proiect) E. Hitruc, A. Caraculacu

“Sinteza si caracterizarea structurilor de tip uretan-eter-coroana”, grant tineret, etapa **2001**

Beneficiar: “Agentia Nationala pentru stiinta, Tehnologie si Inovare” Bucuresti

Valoare grant: 15.750.000 lei

3. Sergiu Coseri, (NSERC Fellow) Keith U. Ingold

National Sciences and Engineering Research Council of Canada (**NSERC Canada**),

“Mechanism study of the reaction between nitroxyl radical with cyclic and acyclic alkenes”

Beneficiar: National Research Council Ottawa, (**NRC Ottawa**) Canada, **2004-2005**.

Valoare grant: 100,000 \$CAD

4. Sergiu Coseri

NATO Security Through Science Programme ; NATO Reintegration Grant, **2005-2007**.

“Progresses in Free Radical Reactions Mechanism”,

PDD(CP)-(CBP.EAP.RIG 982044)

Valoare grant : 25.000 EUR.

5. Sergiu Coseri, Project Manager

Co-operation of SEE science parks for the promotion of transnational market update of R&D results and technologies by SMEs, SEETechnology - SEE/D/0224/1.2/X, 2012-2014, **2012 – 2014**

Valoarea totala a proiectului: 2,046,667.70 EUR.

6. Sergiu Coseri, Project Manager

Bilateral project between “Petru Poni” Institute and Innventia AB Stockholm Sweden, "Cellulose fibers oxidation using environmentally friendly reagents - Synthesis of various sorts of oxidized cellulose, using different reaction conditions", **2012-2014**.

Valoarea totala a proiectului : 120,000 SEK.

b. ca membru in echipa

1. E. Scortanu, A. Caraculacu, Cr. Prisacariu, S. Coseri (1998)

Contract de cercetare nr. 60 / 1997, Act aditional nr. 1/1998 incheiat cu ICPE-Trafil S.A Iasi, in cadrul Programului Zonal: Materiale noi cu elaborare si utilizari neconventionale (materiale pentru senzori, semiconductori organici, polimeri si aliaje compozite) bazate pe potentialul inovativ zonal, de nivel national, cu perspectiva competitiva mondiala, finantat de Ministerul Cercetarii si Tehnologiei, Tema C:
“Absorbanti UV benzotriazolici cu structuri diverse, inclusiv parabanice” contract 1/1998, valoare 5.000.000 lei

2. E. Scortanu, A. Caraculacu, S. Coseri, E. Hitruc, (2000)

“Polimeri heterociclici cu structuri diazopentaatomice prin reactii chimice pe polimeri”
Program national de C-D, **“Orizont 2000”**
Valoare contract: 50.000.000 lei

3. Fondul Social European - Program de burse postdoctorale "Cristofor I. Simionescu"

POSDRU/89/1.5/S/55216, responsabil Acad. B. C. Simionescu, (**S. Coseri** - postdoctorand), 19 486 466 RON, **2010-2013**

4. REGPOT-2010-1 „Strengthening the Romanian research capacity in Multifunctional Polymeric Materials” coordonator Dr. Valeria Harabagiu, membru in echipa de implementare **S. Coseri – research area leader (RAL)**, 2,8 milioane EUR, **2011-2013**

Anexa nr. 4 (A3)

Prestigiu științific

Membru în colectivitate de redacție ale revistelor naționale/internationale (Editorial Board Member)

1. Chemical Engineering and Science <http://www.sciencedirect.com/journal/Chemical-Engineering-and-Science>

2. American Journal of Physical Chemistry
<http://www.sciencepublishinggroup.com/journal/editorialboard.aspx?journalid=128>

3. ISRN Textiles <http://www.hindawi.com/isrn/textiles/editors/>

4. Journal of Materials Science and Engineering with Advanced Technology
<http://www.scientificadvances.co.in/editorial-board/2>

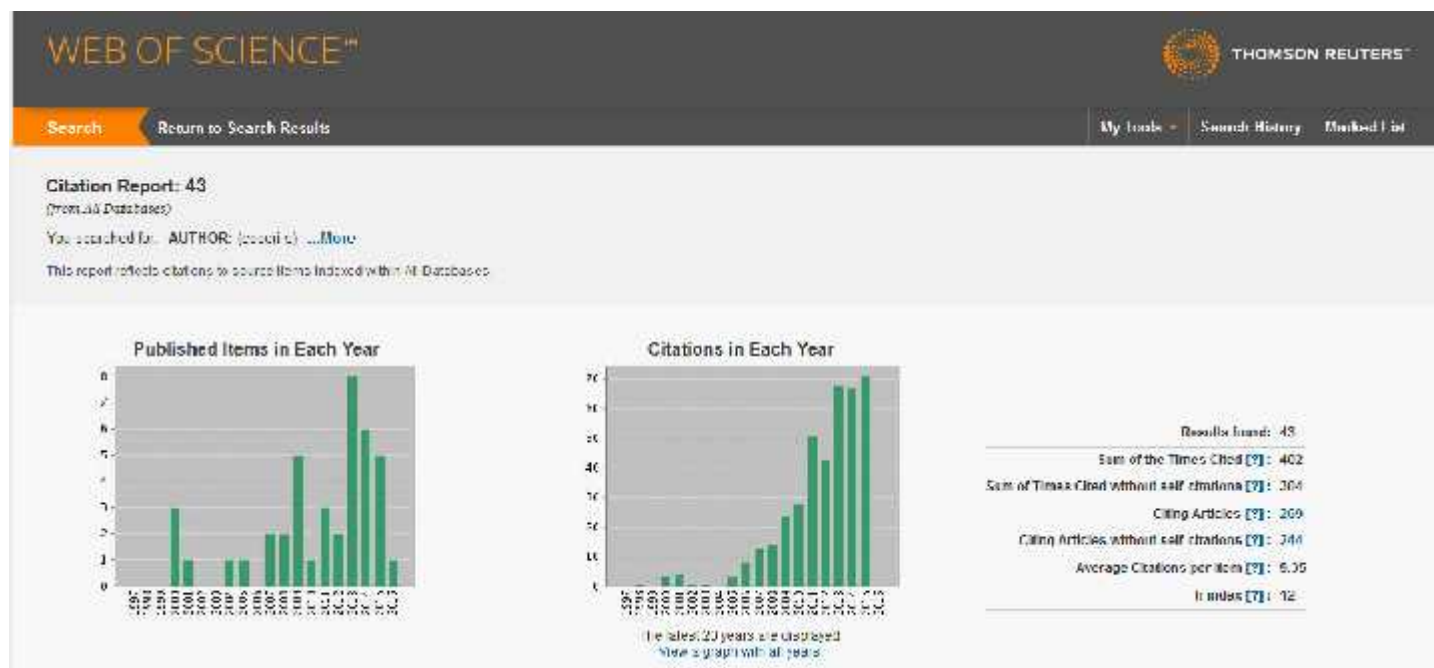
5. Journal of Composites and Biodegradable Polymers
<http://savvy-science-publisher.com/editorial-board-member-jcbp/>

6. Advances in Chemical Engineering and Process Technology (ACEPT)
http://aperito.org/journal/ebm_display/38

Peer Reviewer membru pentru revista:

Modern Chemistry, <http://www.sciencepublishinggroup.com/journal/peerreviewers.aspx?journalid=121>

3.1. Citari în reviste ISI (fără autocitari) - conform ISI Web of knowledge: 304 (motor de căutare: Coseri S. and Petru Poni Institute of Macromolecular Chemistry)



Selec ie:

I. Phthalimide-N-oxyl (PINO) Radical, a Powerful Catalytic Agent: Its Generation and Versatility Towards Various Organic Substrates

By: [Coseri, S](#) (Coseri, Sergiu)

CATALYSIS REVIEWS-SCIENCE AND ENGINEERING

Volume: 51

Issue: 2

Pages: 218-292

Article Number: PII 910966536

DOI: 10.1080/01614940902743841

Published: 2009

Citata de 73 de ori

Citata in (selectie):

Polymer-Supported N-Hydroxyphthalimide as Catalyst for Toluene and p-Methoxytoluene Aerobic Oxidation

By: Kasperczyk, Kornela; Orlinska, Beata; Witek, Ewa; et al.

CATALYSIS LETTERS Volume: 145 Issue: 10 Pages: 1856-1867 Published: OCT 2015

Functionalization of Cyclodextrins with N-Hydroxyphthalimide Moiety: A New Class of Supramolecular Pro-Oxidant Organocatalysts

By: Melone, Lucio; Petroselli, Manuel; Pastori, Nadia; et al.

MOLECULES Volume: 20 Issue: 9 Pages: 15881-15892 Published: SEP 2015

Biochemical Establishment and Characterization of EncM's Flavin-N5-oxide Cofactor

By: Teufel, Robin; Stull, Frederick; Meehan, Michael J.; et al.

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 137 Issue: 25 Pages: 8078-8085 Published: JUL 1 2015

Copper(I)-Catalyzed Oxidation of Alkenes Using Molecular Oxygen and Hydroxylamines: Synthesis and Reactivity of alpha-Oxygenated Ketones

Record contains structures

By: Andia, Alexander A.; Miner, Matthew R.; Woerpel, K. A.

ORGANIC LETTERS Volume: 17 Issue: 11 Pages: 2704-2707 Published: JUN 5 2015

Re-examining the Photomediated Dissociation and Recombination Kinetics of Hexaarylbiimidazoles

By: Sathe, Sameer S.; Ahn, Dowon; Scott, Timothy F.

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH Volume: 54 Issue: 16 Pages: 4203-4212 Published: APR 29 2015

Direct Trifluoromethylthiolation of Unactivated C(sp³)-H Using Silver(I) Trifluoromethanethiolate and Potassium Persulfate

Record contains structures

By: Wu, Hao; Xiao, Zhiwei; Wu, Junhui; et al.

ANGEWANDTE CHEMIE-INTERNATIONAL EDITION Volume: 54 Issue: 13 Pages: 4070-4074 Published: MAR 23 2015

Aerobic Oxidation of Pd-II to Pd-IV by Active Radical Reactants: Direct C-H Nitration and Acylation of Arenes via Oxygenation Process with Molecular Oxygen

By: Liang, Yu-Feng; Li, Xinyao; Wang, Xiaoyang; et al.

ACS CATALYSIS Volume: 5 Issue: 3 Pages: 1956-1963 Published: MAR 2015

(Diacetoxyiodo) benzene-Mediated Oxygenation of Benzylic C(sp³)-H Bonds with N-Hydroxyamides at Room Temperature

Record contains structures

By: Qian, Peng-Cheng; Liu, Yu; Song, Ren-Jie; et al.

EUROPEAN JOURNAL OF ORGANIC CHEMISTRY Issue: 8 Pages: 1680-1684 Published: MAR 2015

Cross dehydrogenative coupling (CDC) of aldehydes with N-hydroxyimides by visible light photoredox catalysis

By: Dinda, Milan; Bose, Chandan; Ghosh, Tridev; et al.

RSC ADVANCES Volume: 5 Issue: 56 Pages: 44928-44932 Published: 2015

Graphitic carbon nitride polymers: promising catalysts or catalyst supports for heterogeneous oxidation and hydrogenation

By: Gong, Yutong; Li, Mingming; Li, Haoran; et al.

GREEN CHEMISTRY Volume: 17 Issue: 2 Pages: 715-736 Published: 2015

Chiral N-Hydroxybenzamides as Potential Catalysts for Aerobic Asymmetric Oxidations

By: Capraro, Maria Grazia; Franchi, Paola; Lanzalunga, Osvaldo; et al.

JOURNAL OF ORGANIC CHEMISTRY Volume: 79 Issue: 14 Pages: 6435-6443 Published: JUL 18 2014

Importance of pi-Stacking Interactions in the Hydrogen Atom Transfer Reactions from Activated Phenols to Short-Lived N-Oxyl Radicals

By: Mazzonna, Marco; Bietti, Massimo; DiLabio, Gino A.; et al.

JOURNAL OF ORGANIC CHEMISTRY Volume: 79 Issue: 11 Pages: 5209-5218 Published: JUN 6 2014

Aerobic oxidation catalysis with stable radicals

By: Cao, Qun; Dornan, Laura M.; Rogan, Luke; et al.

CHEMICAL COMMUNICATIONS Volume: 50 Issue: 35 Pages: 4524-4543 Published: 2014

Sunlight Induced Oxidative Photoactivation of N-Hydroxyphthalimide Mediated by Naphthalene Imides

Record contains structures

By: Melone, Lucio; Franchi, Paola; Lucarini, Marco; et al.

ADVANCED SYNTHESIS & CATALYSIS Volume: 355 Issue: 16 Pages: 3210-3220

Metal-Free Fluorination of C(sp³)-H Bonds Using a Catalytic N-Oxyl Radical

Record contains structures

By: Amaoka, Yuuki; Nagatomo, Masanori; Inoue, Masayuki

ORGANIC LETTERS Volume: 15 Issue: 9 Pages: 2160-2163 Published: MAY 3 2013

Reactions of the Phthalimide N-Oxyl Radical (PINO) with Activated Phenols: The Contribution of pi-Stacking Interactions to Hydrogen Atom Transfer Rates

By: D'Alfonso, Claudio; Bietti, Massimo; DiLabio, Gino A.; et al.

JOURNAL OF ORGANIC CHEMISTRY Volume: 78 Issue: 3 Pages: 1026-1037

Poly(ionic liquid) Complex with Spontaneous Micro-/Mesoporosity: Template-Free Synthesis and Application as Catalyst Support

Record contains structures

By: Zhao, Qiang; Zhang, Pengfei; Antonietti, Markus; et al.

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 134 Issue: 29 Pages: 11852-11855 Published: JUL 25 2012

A Polycomponent Metal-Catalyzed Aliphatic, Allylic, and Benzylic Fluorination

Record contains structures

By: Bloom, Steven; Pitts, Cody Ross; Miller, David Curtin; et al.

ANGEWANDTE CHEMIE-INTERNATIONAL EDITION Volume: 51 Issue: 42 Pages: 10580-10583 Published: 2012

Pyrazolate-Based Cobalt(II)-Containing Metal-Organic Frameworks in Heterogeneous Catalytic Oxidation Reactions: Elucidating the Role of Entatic States for Biomimetic Oxidation Processes

By: Tonigold, Markus; Lu, Ying; Mavrandonakis, Andreas; et al.

CHEMISTRY-A EUROPEAN JOURNAL Volume: 17 Issue: 31 Pages: 8671-8695

Thermochemistry of Proton-Coupled Electron Transfer Reagents and its Implications

By: Warren, Jeffrey J.; Tronic, Tristan A.; Mayer, James M.

CHEMICAL REVIEWS Volume: 110 Issue: 12 Pages: 6961-7001 Published: DEC 2010

II. Isocyanates in polyaddition processes. Structure and reaction mechanisms

By: [Caraculacu, AA](#) (Caraculacu, AA); [Coseri, S](#) (Coseri, S)

PROGRESS IN POLYMER SCIENCE

Volume: 26

Issue: 5

Pages: 799-851

Published: JUN 2001

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Chiral Polyurethane Synthesis Leading to pi-Stacked 2/1-Helical Polymer and Cyclic Compounds

By: Gudeangadi, Prashant G.; Sakamoto, Takeshi; Shichibu, Yukatsu; et al.

ACS MACRO LETTERS Volume: 4 Issue: 9 Pages: 901-906 Published: SEP 2015

Process investigating and modelling for the self-polymerization of toluene diisocyanate (TDI)-based polyurethane prepolymer

By: Guo, Jishuai; He, Yong; Xie, Delong; et al.

JOURNAL OF MATERIALS SCIENCE Volume: 50 Issue: 17 Pages: 5844-5855

Monitoring the alcoholysis of isocyanates with infrared spectroscopy

By: Koessl, F.; Lisaj, M.; Kozich, V.; et al.

CHEMICAL PHYSICS LETTERS Volume: 621 Pages: 41-45 Published: FEB 4 2015

Synthesis of HDI/IPDI hybrid isocyanurate and its application in polyurethane coating

By: Wang, Guiyou; Li, Kang; Zou, Wei; et al.

PROGRESS IN ORGANIC COATINGS Volume: 78 Pages: 225-233 Published: JAN 2015

Insights into the Organocatalyzed Synthesis of Urethanes in Supercritical Carbon Dioxide: An In Situ FTIR Spectroscopic Kinetic Study

By: Smith, Christopher A.; Cramail, Henri; Tassaing, Thierry

CHEMCATCHEM Volume: 6 Issue: 5 Pages: 1380-1391 Published: MAY 2014

Rheokinetic analysis on the formation of metallo-polyurethanes based on hydroxyl-terminated polybutadiene

By: Lucio, Beatriz; Luis de la Fuente, Jose

EUROPEAN POLYMER JOURNAL Volume: 50 Pages: 117-126 Published: JAN 2014

Mechanically strong hydrogels with reversible behaviour under cyclic compression with MPa loading

By: Harrass, Konstantina; Krueger, Reinhard; Moeller, Martin; et al.

SOFT MATTER Volume: 9 Issue: 10 Pages: 2869-2877 Published: 2013

On the Versatility of Urethane/Urea Bonds: Reversibility, Blocked Isocyanate, and Non-isocyanate Polyurethane

By: Delebecq, Etienne; Pascault, Jean-Pierre; Boutevin, Bernard; et al.

CHEMICAL REVIEWS Volume: 113 Issue: 1 Pages: 80-118 Published: JAN 2013

Photochemistry of 2-Naphthoyl Azide. An Ultrafast Time-Resolved UV-Vis and IR Spectroscopic and Computational Study

By: Kubicki, Jacek; Zhang, Yunlong; Vyas, Shubham; et al.

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 133 Issue: 25 Pages: 9751-9761 Published: JUN 29 2011

N-(Propargyl)diazene-carboxamides for 'click' conjugation and their 1,3-dipolar cycloadditions with azidoalkylamines in the presence of Cu(II)

Record contains structures

By: Urankar, Damijana; Steinbuecher, Miha; Kosjek, Jaka; et al.

TETRAHEDRON Volume: 66 Issue: 14 Pages: 2602-2613 Published: APR 3 2010

Thermosetting (bio)materials derived from renewable resources: A critical review

By: Raquez, J. -M.; Deleglise, M.; Lacrampe, M. -F.; et al.

PROGRESS IN POLYMER SCIENCE Volume: 35 Issue: 4 Pages: 487-509 Published: APR 2010

Coupling of Triamines with Diisocyanates on Au(111) Leads to the Formation of Polyurea Networks

By: Jensen, Sean; Fruechtel, Herbert; Baddeley, Christopher J.

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 131 Issue: 46 Pages: 16706-16713 Published: NOV 25 2009

Ultrathin coatings with change in reactivity over time enable functional in vitro networks of insect neurons

By: Reska, Anna; Gasteier, Peter; Schulte, Petra; et al.

ADVANCED MATERIALS Volume: 20 Issue: 14 Pages: 2751-+ Published: JUL 17 2008

Synthesis methods, chemical structures and phase structures of linear polyurethanes. Properties and applications of linear polyurethanes in polyurethane elastomers, copolymers and ionomers

By: Krol, Plotr

PROGRESS IN MATERIALS SCIENCE Volume: 52 Issue: 6 Pages: 915-1015 Published: AUG 2007

High-performance hole-transport polyurethanes for light-emitting diodes applications

By: Kuo, Chao-Hui; Peng, Kang-Chun; Kuo, Li-Chung; et al.

CHEMISTRY OF MATERIALS Volume: 18 Issue: 17 Pages: 4121-4129 Published: AUG 22 2006

Understanding the accelerating effect of epsilon-caprolactam on the formation of urethane linkages

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MACROMOLECULES Volume: 38 Issue: 4 Pages: 1385-1394 Published: FEB 22 2005

Fluoropolyethers end-capped by polar functional groups. III. Kinetics of the reactions of hydroxy-terminated fluoropolyethers and model fluorinated alcohols with cyclohexyl isocyanate catalyzed by organotin compounds

By: Mashlyakovskiy, L; Khomko, E; Volynkina, N; et al.

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY Volume: 40 Issue: 21 Pages: 3771-3795 Published: NOV 1 2002

III. Mechanisms of reaction of aminoxyl (nitroxide), iminoxyl, and imidoxyl radicals with alkenes and evidence that in the presence of lead tetraacetate, N-hydroxyphthalimide reacts with alkenes by both radical and nonradical mechanisms

By: Coseri, S (**Coseri, S**); Mendenhall, GD (Mendenhall, GD); Ingold, KU (Ingold, KU)

View ResearcherID and ORCID

JOURNAL OF ORGANIC CHEMISTRY

Volume: 70

Issue: 12

Pages: 4629-4636

Published: JUN 10 2005

Citata de 37 de ori, in (selectie):

Importance of pi-Stacking Interactions in the Hydrogen Atom Transfer Reactions from Activated Phenols to Short-Lived N-Oxyl Radicals

By: Mazzonna, Marco; Bietti, Massimo; DiLabio, Gino A.; et al.

JOURNAL OF ORGANIC CHEMISTRY Volume: 79 Issue: 11 Pages: 5209-5218 Published: JUN 6 2014

Reactions of the Phthalimide N-Oxyl Radical (PINO) with Activated Phenols: The Contribution of pi-Stacking Interactions to Hydrogen Atom Transfer Rates

By: D'Alfonso, Claudio; Bietti, Massimo; DiLabio, Gino A.; et al.

JOURNAL OF ORGANIC CHEMISTRY Volume: 78 Issue: 3 Pages: 1026-1037 Published: FEB 1 2013

Reverse Cope Elimination of Hydroxylamines and Alkenes or Alkynes: Theoretical Investigation of Tether Length and Substituent Effects

By: Krenske, Elizabeth H.; Davison, Edwin C.; Forbes, Ian T.; et al.

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 134 Issue: 4 Pages: 2434-2441 Published: FEB 1 2012

Metal-free, aerobic ketoxygenation of alkenes using hydroxamic acids

By: Schmidt, Valerie A.; Alexanian, Erik J.

CHEMICAL SCIENCE Volume: 3 Issue: 5 Pages: 1672-1674 Published: 2012

Accurate O-H Bond Dissociation Energy Differences of Hydroxylamines Determined by EPR Spectroscopy: Computational Insight into Stereoelectronic Effects on BDEs and EPR Spectral Parameters

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A kinetic study of the electron-transfer reaction of the phthalinlide-N-oxyl radical (PINO) with ferrocenes

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JOURNAL OF ORGANIC CHEMISTRY Volume: 72 Issue: 23 Pages: 8748-8754 Published: NOV 9 2007

Manganese dioxide and N-hydroxyphthalimide. An effective catalytic system for oxidation of nitrotoluenes with molecular oxygen

Record contains structures

By: Yang, Guanyu; Zheng, Liwen; Wu, Guanghui; et al.

ADVANCED SYNTHESIS & CATALYSIS Volume: 349 Issue: 16 Pages: 2445-2448 Published: NOV 2007

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By: Recupero, Francesco; Punta, Carlo

CHEMICAL REVIEWS Volume: 107 Issue: 9 Pages: 3800-3842 Published: SEP 2007

Molecule-induced homolysis of N-hydroxyphthalimide (NHPI) by peracids and dioxirane. A new, simple, selective aerobic radical epoxidation of alkenes

Record contains structures

By: Minisci, F; Gambarotti, C; Pierini, M; et al.

TETRAHEDRON LETTERS Volume: 47 Issue: 9 Pages: 1421-1424 Published: FEB 27 2006

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JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY Volume: 44 Issue: 2 Pages: 697-717, 2006

IV. Natural Products and their Analogues as Efficient Anticancer Drugs

By: Coseri, S (Coseri, Sergiu)

MINI-REVIEWS IN MEDICINAL CHEMISTRY

Volume: 9

Issue: 5

Pages: 560-571

Published: MAY 2009

Citata de 24 de ori, in (selectie):

Induction of Apoptosis and Reduction of Endogenous Glutathione Level by the Ethyl-Acetate Soluble Fraction of the Methanol Extract of the Roots of *Potentilla fulgens* in Cancer Cells
By: Tripathy, Debabrata; Choudhary, Alka; Banerjee, Uttam Chand; et al.
PLOS ONE Volume: 10 Issue: 8 Article Number: e0135890 Published: AUG 18 2015

Total Synthesis of Xestoaminol C from D-Glucose
By: Vulupala, Hanmanth R.; Sajja, Yasodakrishna; Bantu, Rajashaker; et al.
CURRENT ORGANIC CHEMISTRY Volume: 19 Issue: 20 Pages: 2040-2045 Published: 2015

Tea (*Camellia sinensis* (L.)): A Putative Anticancer Agent in Bladder Carcinoma?
By: Conde, Vanessa R.; Alves, Marco G.; Oliveira, Pedro F.; et al.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY Volume: 15 Issue: 1 Pages: 26-36
Published: 2015

Synthesis of novel beta-carboline based chalcones with high cytotoxic activity against breast cancer cells
Record contains structures
By: Chauhan, Shikha S.; Singh, Anup K.; Meena, Sanjeev; et al.
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS Volume: 24 Issue: 13 Pages: 2820-2824
Published: JUL 1 2014

Growth inhibitory activity for cancer cell lines of lapachol and its natural and semi-synthetic derivatives
Record contains structures
By: Fiorito, Serena; Epifano, Francesco; Bruyere, Celine; et al.
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS Volume: 24 Issue: 2 Pages: 454-457
Published: JAN 15 2014

Alleviation of Podophyllotoxin Toxicity Using Coexisting Flavonoids from *Dyosma versipellis*
By: Li, Juan; Sun, Hua; Jin, Lu; et al.
PLOS ONE Volume: 8 Issue: 8 Article Number: e72099 Published: AUG 21 2013

Natural Products: Promising Resources for Cancer Drug Discovery
By: Mondal, Susmita; Bandyopadhyay, Santu; Ghosh, Mrinal K.; et al.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY Volume: 12 Issue: 1 Pages: 49-75
Published: JAN 2012

Diastereoselective synthesis and bioactivity of long-chain anti-2-amino-3-alkanols
Record contains structures
By: Chen, Bi-Shuang; Yang, Long-He; Ye, Jian-Liang; et al.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 46 Issue: 11 Pages: 5480-5486
Published: NOV 2011

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BIOORGANIC & MEDICINAL CHEMISTRY Volume: 19 Issue: 3 Pages: 1268-1276
Published: FEB 1 2011

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EUROPEAN JOURNAL OF PHARMACOLOGY Volume: 651 Issue: 1-3 Pages: 18-25

Published: JAN 25 2011

V. Mild and Selective Oxidation of Cellulose Fibers in the Presence of N-Hydroxyphthalimide

By: Coseri, S (Coseri, S.)[1] ; Nistor, G (Nistor, G.)[1] ; Frascu, L (Frascu, L.)[2] ; Strnad, S (Strnad, S.)[2] ; Harabagiu, V (Harabagiu, V.)[1] ; Simionescu, BC (Simionescu, B. C.)[1]

BIOMACROMOLECULES

Volume: 10

Issue: 8

Pages: 2294-2299

Citata de 20 de ori, in (selectie):

Selective oxidation of cellulose catalyzed by NHPI/Co(OAc)₂ using air as oxidant

By: Zhou, Lipeng; Wu, Haihong; Yang, Xiaomei; et al.

CELLULOSE Volume: 21 Issue: 6 Pages: 4059-4065 Published: DEC 2014

Effect of selective oxidation of bacterial cellulose on degradability in phosphate buffer solution and their affinity for epidermal cell attachment

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RSC ADVANCES Volume: 4 Issue: 105 Pages: 60749-60756 Published: 2014

Characterisation of ultra-thin films of oxidised bacterial cellulose for enhanced anchoring and build-up of polyelectrolyte multilayers

By: Picheth, Guilherme Fadel; Sierakowski, Maria Rita; Woehl, Marco Aurelio; et al.

COLLOID AND POLYMER SCIENCE Volume: 292 Issue: 1 Pages: 97-105 Published: JAN 2014

Metal-free aerobic oxidations mediated by N-hydroxyphthalimide. A concise review

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Catalysis with Cu^{II}(bpy) improves alkaline hydrogen peroxide pretreatment

By: Li, Zhengjun; Chen, Charles H.; Liu, Tongjun; et al.

BIOTECHNOLOGY AND BIOENGINEERING Volume: 110 Issue: 4 Pages: 1078-1086 Published: APR 2013

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By: Chamorro, Eduardo; Bessolo, Jorge; Duque-Norena, Mario; et al.

CHEMICAL PHYSICS LETTERS Volume: 534 Pages: 67-71 Published: MAY 1 2012

TEMPO Electromediated Oxidation of Some Polysaccharides Including Regenerated Cellulose Fiber

By: Isogai, Takuya; Saito, Tsuguyuki; Isogai, Akira

BIOMACROMOLECULES Volume: 11 Issue: 6 Pages: 1593-1599 Published: JUN 2010

VI. Oxidized cellulose-Survey of the most recent achievements

By: Coseri, S (**Coseri, Sergiu**)[1] ; Biliuta, G (Biliuta, Gabriela)[1] ; Simionescu, BC (Simionescu, Bogdan C.)[1,2] ; Stana-Kleinschek, K (Stana-Kleinschek, Karin)[3] ; Ribitsch, V (Ribitsch, Volker)[4] ; Harabagiu, V (Harabagiu, Valeria)[1]

CARBOHYDRATE POLYMERS

Volume: 93

Issue: 1

Pages: 207-215

Special Issue: SI

Published: MAR 1 2013

TEMPO-Oxidized Cellulose Cross-Linked with Branched Polyethyleneimine: Nanostructured Adsorbent Sponges for Water Remediation

By: Melone, Lucio; Rossi, Bianca; Pastori, Nadia; et al.

CHEMPLUSCHEM Volume: 80 Issue: 9 Pages: 1408-1415 Published: SEP 2015

Preparation and Reinforcement of Dual-Porous Biocompatible Cellulose Scaffolds for Tissue Engineering

By: Pircher, Nicole; Fischhuber, David; Carbajal, Leticia; et al.

MACROMOLECULAR MATERIALS AND ENGINEERING Volume: 300 Issue: 9 Pages: 911-924 Published: SEP 2015

Chemocatalytic hydrolysis of cellulose into glucose over solid acid catalysts

By: Hu, Lei; Lin, Lu; Wu, Zhen; et al.

APPLIED CATALYSIS B-ENVIRONMENTAL Volume: 174 Pages: 225-243 Published: SEP 2015

Effects of periodate oxidation on cellulose polymorphs

By: Siller, Martin; Amer, Hassan; Bacher, Markus; et al.

CELLULOSE Volume: 22 Issue: 4 Pages: 2245-2261 Published: AUG 2015

Introduction of aldehyde vs. carboxylic groups to cellulose nanofibers using laccase/TEMPO mediated oxidation

By: Jausovec, Darja; Vogrincic, Robert; Kokol, Vanja

CARBOHYDRATE POLYMERS Volume: 116 Pages: 74-85 Published: FEB 13 2015

Depolymerization of cellulose to glucose by oxidation-hydrolysis

By: Zhou, Lipeng; Yang, Xiaomei; Xu, Jiaolong; et al.

GREEN CHEMISTRY Volume: 17 Issue: 3 Pages: 1519-1524 Published: 2015

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By: Sirvio, Juho Antti; Liimatainen, Henriikki; Visanko, Miikka; et al.

CARBOHYDRATE POLYMERS Volume: 114 Pages: 73-77 Published: DEC 19 2014

Thermal stability of cellulose and their nanoparticles: Effect of incremental increases in carboxyl and aldehyde groups

By: Sharma, Priyanka R.; Varma, Anjani J.

CARBOHYDRATE POLYMERS Volume: 114 Pages: 339-343 Published: DEC 19 2014

Functionalized celluloses and their nanoparticles: Morphology, thermal properties, and solubility studies

By: Sharma, Priyanka R.; Varma, A. J.

CARBOHYDRATE POLYMERS Volume: 104 Pages: 135-142 Published: APR 15 2014

Oxidation of wood cellulose using 2-azaadamantane N-oxyl (AZADO) or 1-methyl-AZADO catalyst in NaBr/NaClO system

By: Takaichi, Satoshi; Isogai, Akira

CELLULOSE Volume: 20 Issue: 4 Pages: 1979-1988 Published: AUG 2013

Electrochemical Valorisation of Glycerol

By: Simoes, Mario; Baranton, Steve; Coutanceau, Christophe

CHEMSUSCHEM Volume: 5 Issue: 11 Pages: 2106-2124 Published: 2012

VII. A new and efficient heterogeneous system for the phthalimide N-oxyl (PINO) radical generation

By: Coseri, S (**Coseri, Sergiu**)

EUROPEAN JOURNAL OF ORGANIC CHEMISTRY

Issue: 11

Pages: 1725-1729

Published: APR 2007

Copper nanoparticles on dichromiumtrioxide: a highly efficient catalyst from copper chromium hydrotalcite for oxidant-free dehydrogenation of alcohols

By: Zhu, Yaoqin; Shen, Mengnan; Xia, Yonggen; et al.

APPLIED ORGANOMETALLIC CHEMISTRY Volume: 29 Issue: 3 Pages: 152-156 Published: MAR 2015

Cross-dehydrogenative coupling for the intermolecular C-O bond formation

By: Krylov, Igor B.; Vil', Vera A.; Terent'ev, Alexander O.

BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY Volume: 11 Pages: 92-146 Published: JAN 20 2015

Copper Nanoparticles from Copper Aluminum Hydrotalcite: An Efficient Catalyst for Acceptor- and Oxidant-Free Dehydrogenation of Amines and Alcohols

By: Damodara, Dandu; Arundhathi, Racha; Likhar, Pravin R.

ADVANCED SYNTHESIS & CATALYSIS Volume: 356 Issue: 1 Pages: 189-198 Published: JAN 13 2014

Theoretical Studies on Muti-Hydroxyimides as Highly Efficient Catalysts for Aerobic Oxidation

By: Chen, Kexian; Jia, Lu; Dao, Rina; et al.

CHEMPHYSICHEM Volume: 14 Issue: 1 Pages: 179-184 Published: JAN 14 2013

Generation and cross-coupling of benzyl and phthalimide-N-oxyl radicals in a cerium(IV) ammonium nitrate/N-hydroxyphthalimide/ArCH₂R system

Record contains structures

By: Terent'ev, Alexander O.; Krylov, Igor B.; Sharipov, Mikhail Y.; et al.
TETRAHEDRON Volume: 68 Issue: 50 Pages: 10263-10271 Published: DEC 16 2012

A Polycomponent Metal-Catalyzed Aliphatic, Allylic, and Benzylic Fluorination

Record contains structures

By: Bloom, Steven; Pitts, Cody Ross; Miller, David Curtin; et al.

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Mechanistic investigation of the catalytic system based on N-hydroxy-phthalimide with vanadium co-catalysts for aerobic oxidation of alcohols with dioxygen

By: Figiel, Pawel Jaroslaw; Sobczak, Jaroslaw Marek

JOURNAL OF CATALYSIS Volume: 263 Issue: 1 Pages: 167-172 Published: APR 1 2009