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Top 25 Hottest Articles

Chemistry > Ultrasonics Sonochemistry

October to December 2012



- 1. Applications of ultrasound in food technology: Processing, preservation and extraction**
Ultrasonics Sonochemistry, Volume 18, Issue 4, July 2011, Pages 813-835
Chemat, F.; Zill-e-Huma; Khan, M.K.
[Cited by Scopus \(87\)](#)
- 2. Extraction of lipids from microalgae by ultrasound application: Prospection of the optimal extraction method**
Ultrasonics Sonochemistry, Volume 20, Issue 1, January 2013, Pages 95-98
Araujo, G.S.; Matos, L.J.B.L.; Fernandes, J.O.; Cartaxo, S.J.M.; Goncalves, L.R.B.; Fernandes, F.A.N.; Farias, W.R.L.
[Cited by Scopus \(1\)](#)
- 3. Ultrasonics in food processing** • Review article
Ultrasonics Sonochemistry, Volume 19, Issue 5, September 2012, Pages 975-983
Chandrapala, J.; Oliver, C.; Kentish, S.; Ashokkumar, M.
[Cited by Scopus \(8\)](#)
- 4. Ultrasonic pretreatment of sludge: A review** • Review article
Ultrasonics Sonochemistry, Volume 18, Issue 1, January 2011, Pages 1-18
Pilli, S.; Bhunia, P.; Yan, S.; LeBlanc, R.J.; Tyagi, R.D.; Surampalli, R.Y.
[Cited by Scopus \(57\)](#)
- 5. Advanced oxidation processes (AOPs) involving ultrasound for waste water treatment: A review with emphasis on cost estimation**
Ultrasonics Sonochemistry, Volume 17, Issue 6, August 2010, Pages 990-1003
Mahamuni, N.N.; Adewuyi, Y.G.
[Cited by Scopus \(46\)](#)
- 6. Ultrasound assisted synthesis of doped TiO₂ nano-particles: Characterization and comparison of effectiveness for photocatalytic oxidation of dyestuff effluent**
Ultrasonics Sonochemistry, Volume 20, Issue 1, January 2013, Pages 277-286
Shirsath, S.R.; Pnjar, D.V.; Gogate, P.R.; Sonawane, S.H.; Pandit, A.B.
[Cited by Scopus \(2\)](#)
- 7. Using sonochemistry for the fabrication of nanomaterials** • Review article
Ultrasonics Sonochemistry, Volume 11, Issue 2, April 2004, Pages 47-55
Gedanken, A.
[Cited by Scopus \(428\)](#)
- 8. Optimization of ultrasonic-assisted extraction of pomegranate (*Punica granatum* L.) seed oil**
Ultrasonics Sonochemistry, Volume 20, Issue 1, January 2013, Pages 202-208
Tian, Y.; Xu, Z.; Zheng, B.; Martin Lo, Y.
[Cited by Scopus \(1\)](#)
- 9. Graphene oxide based Pt-TiO₂ photocatalyst: Ultrasound assisted synthesis, characterization and catalytic efficiency**
Ultrasonics Sonochemistry, Volume 19, Issue 1, January 2012, Pages 9-15
Neppolian, B.; Bruno, A.; Bianchi, C.L.; Ashokkumar, M.
[Cited by Scopus \(30\)](#)
- 10. Dissolved gas and ultrasonic cavitation - A review** • Review article
Ultrasonics Sonochemistry, Volume 20, Issue 1, January 2013, Pages 1-11
Rooze, J.; Rebrov, E.V.; Schouten, J.C.; Keurentjes, J.T.F.
[Cited by Scopus \(5\)](#)
- 11. Ultrasonic emulsification of food-grade nanoemulsion formulation and evaluation of its bactericidal activity**
Ultrasonics Sonochemistry, Volume 20, Issue 1, January 2013, Pages 338-344
Ghosh, V.; Mukherjee, A.; Chandrasekaran, N.
[Cited by Scopus \(3\)](#)
- 12. Optimization of olive leaf extract obtained by ultrasound-assisted extraction with response surface methodology**
Ultrasonics Sonochemistry, Volume 20, Issue 1, January 2013, Pages 595-602
Sahin, S.; Samli, R.
[Cited by Scopus \(1\)](#)
- 13. Preparation of nanocrystalline cellulose via ultrasound and its reinforcement capability for poly(vinyl alcohol) composites**
Ultrasonics Sonochemistry, Volume 19, Issue 3, May 2012, Pages 479-485
Li, W.; Yue, J.; Liu, S.
[Cited by Scopus \(12\)](#)

- 14. Sonochemical synthesis of TiO₂ nanoparticles on graphene for use as photocatalyst**
Ultrasonics Sonochemistry, Volume 18, Issue 5, September 2011, Pages 1082-1090
Guo, J.; Zhu, S.; Chen, Z.; Li, Y.; Yu, Z.; Liu, Q.; Li, J.; Feng, C.; Zhang, D.
[Cited by Scopus \(39\)](#)

- 15. Sonochemical synthesis of hierarchical ZnO nanostructures**
Ultrasonics Sonochemistry, Volume 20, Issue 1, January 2013, Pages 395-400
Khorsand Zak, A.; Majid, W.H.abd.; Wang, H.Z.; Yousefi, R.; Moradi Golsheikh, A.; Ren, Z.F.
[Cited by Scopus \(6\)](#)

- 16. Ultrasound promoted one-pot synthesis of 2-amino-4,8-dihydropyrano[3,2-b]pyran-3-carbonitrile scaffolds in aqueous media: A complementary 'green chemistry' tool to organic synthesis**
Ultrasonics Sonochemistry, Volume 20, Issue 1, January 2013, Pages 401-407
Banitaba, S.H.; Safari, J.; Khalili, S.D.
[Cited by Scopus \(2\)](#)

- 17. Porous TiO₂ microspheres with tunable properties for photocatalytic air purification**
Ultrasonics Sonochemistry, Volume 20, Issue 1, January 2013, Pages 445-451
Naldoni, A.; Bianchi, C.L.; Pirota, C.; Suslick, K.S.
[Cited by Scopus \(5\)](#)

- 18. An overview of the ultrasonically assisted extraction of bioactive principles from herbs**
Ultrasonics Sonochemistry, Volume 8, Issue 3, July 2001, Pages 303-313
Vinatoru, M.
[Cited by Scopus \(223\)](#)

- 19. Zinc oxide nano-particles - Sonochemical synthesis, characterization and application for photo-remediation of heavy metal**
Ultrasonics Sonochemistry, Volume 19, Issue 1, January 2012, Pages 85-93
Banerjee, P.; Chakrabarti, S.; Maitra, S.; Dutta, B.K.
[Cited by Scopus \(10\)](#)

- 20. Sono-thermal pre-treatment of waste activated sludge before anaerobic digestion**
Ultrasonics Sonochemistry, Volume 20, Issue 1, January 2013, Pages 587-594
Sahinkaya, S.; Sevimli, M.F.

- 21. Extraction optimization for antioxidant phenolic compounds in red grape jam using ultrasound with a response surface methodology**
Ultrasonics Sonochemistry, Volume 19, Issue 6, November 2012, Pages 1144-1149
Morelli, L.L.L.; Prado, M.A.
[Cited by Scopus \(7\)](#)

- 22. Simple one-step ultrasonic synthesis of anatase titania/polypyrrole nanocomposites**
Ultrasonics Sonochemistry, Volume 20, Issue 2, March 2013, Pages 777-784
Arenas, M.C.; Rodriguez-Nunez, L.F.; Rangel, D.; Martinez-Alvarez, O.; Martinez-Alonso, C.; Castano, V.M.

- 23. Therapeutic ultrasound an overview**
Ultrasonics Sonochemistry, Volume 18, Issue 4, July 2011, Pages 847-852
Mason, T.J.
[Cited by Scopus \(15\)](#)

- 24. Cavitation assisted delignification of wheat straw: A review** • Review article
Ultrasonics Sonochemistry, Volume 19, Issue 5, September 2012, Pages 984-993
Iskaleva, A.; Yimmou, B.M.; Gogate, P.R.; Horvath, M.; Horvath, P.G.; Csoka, L.
[Cited by Scopus \(7\)](#)

- 25. Optimization of ultrasonic extraction process of polysaccharides from *Ornithogalum Caudatum* Ait and evaluation of its biological activities**
Ultrasonics Sonochemistry, Volume 19, Issue 6, November 2012, Pages 1160-1168
Chen, R.; Li, Y.; Dong, H.; Liu, Z.; Li, S.; Yang, S.; Li, X.
[Cited by Scopus \(4\)](#)