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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Antioxidant/prooxidant effects of alpha-tocopherol, quercetin and isorhamnetin on linoleic acid peroxidation induced by Cu(II) and H₂O₂**
Bakir T., Sonmezoglu I., Imer F., Apak R.
INTERNATIONAL JOURNAL OF FOOD SCIENCES AND NUTRITION, vol.65, no.2, pp.226-234, 2014 (SCI-Expanded)
- II. **Polar paradox revisited: analogous pairs of hydrophilic and lipophilic antioxidants in linoleic acid emulsion containing Cu(II)**
Bakir T., Sonmezoglu I., Imer F., Apak R.
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol.93, no.10, pp.2478-2485, 2013 (SCI-Expanded)
- III. **Antioxidant and prooxidant effects of alpha-tocopherol in a linoleic acid-copper(II)-ascorbate system**
Bakir T., Beker B. Y., Sonmezoglu I., Imer F., Apak R.
EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY, vol.115, no.3, pp.372-376, 2013 (SCI-Expanded)
- IV. **PROTECTION OF ASCORBIC ACID FROM COPPER(II)-CATALYZED OXIDATIVE DEGRADATION IN THE PRESENCE OF FRUIT ACIDS: CITRIC, OXALIC, TARTARIC, MALIC, MALONIC, AND FUMARIC ACIDS**
Akbiyik T., Sonmezoglu I., Guclu K., Tor I., Apak R.
INTERNATIONAL JOURNAL OF FOOD PROPERTIES, vol.15, pp.398-411, 2012 (SCI-Expanded)
- V. **Antioxidant protective effect of flavonoids on linoleic acid peroxidation induced by copper(II)/ascorbic acid system**
Beker B. Y., Bakir T., Sonmezoglu I., Imer F., Apak R.
CHEMISTRY AND PHYSICS OF LIPIDS, vol.164, no.8, pp.732-739, 2011 (SCI-Expanded)
- VI. **The Protective Effect of Amino Acids on the Copper(II)-Catalyzed Autoxidation of Ascorbic Acid**
SÖNMEZOĞLU İ.
Journal of Food and Drug Analysis, vol.16, no.6, pp.46-53, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **KINETIC STUDY OF COPPER(II)- AND IRON(III)- CATALYZED OXIDATION OF L-ASCORBIC ACID IN ASPARTAME-CONTAINING AERATED SOLUTION: PROTECTION OF ASCORBIC ACID**
SÖNMEZOĞLU İ.
Ital J Food Sci, vol.20, no.1, pp.1-18, 2008 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **"Antioxidant/Prooxidant Effects of Garlic on Linoleic acid Peroxidation Induced by Copper(II)"**
SÖNMEZOĞLU İ., Apak R.
XI. Chemical Physics Congress, Piri Reis Üniv. İstanbul, 01 October 2014, pp.36

- II. **“ Antioxidant Assays Against Lipid Peroxidation”**
SÖNMEZOĞLU İ.
IUPAC Project: Workshop on Determining Reactive Species Scavengers, İstanbul Üniv., 01 October 2014, pp.62-63
- III. **“ Application of Novel Area Under Curve Method Based on Ferric Thiocyanate Colorimetry and Linoleic Acid- Copper (II) Oxidation For Antioxidant Capacity Measurements”**
SÖNMEZOĞLU İ., Apak R.
7. Ulusal Analitik Kimya Kongresi, Sütçü İmam Üniv., Kahramanmaraş, 01 September 2014
- IV. **“ Antioksidan Tayininde Linoleik Asit Oksidasyonu ve Demir Tiyosiyanat Kolorimetrisine Dayalı Yeni Bir Eğri-Altı-Alan Metodu”**
SÖNMEZOĞLU İ., Apak R.
IV. Fiziksel Kimya Kongresi, Pamukkale Üniv., Denizli,, 01 June 2014, pp.65
- V. **“Bakır (II) / H₂O₂ / ?-Tokoferol ile başlatılan Lipid Peroksidasyonu Üzerine İsorhamnetin’in Antioksidan Etkisi”**
SÖNMEZOĞLU İ., İmer F., Apak R.
XIII. Ulusal Spektroskopik Kongresi, Burdur, Türkiye,, 01 May 2013
- VI. **“Antioxidant protective effect of quercetin on the lipid peroxidation induced by copper(II) / ?-tocopherol system” or “Linoleik asit-bakır(II)- ?-tokoferol sisteminde kuersetinin antioksidan etkisi”**
SÖNMEZOĞLU İ., İmer F., Apak R.
26. Uluslararası Katılımlı Ulusal Kimya Kongresi, Muğla Üniv., Fethiye,, 01 October 2012, pp.262
- VII. **“Antioxidant effect of quercetin on the linoleic acid-copper(II) - H₂O₂ System”**
SÖNMEZOĞLU İ., İmer F., Apak R.
Chemical Physics X, TOBB Ekonomi ve Teknoloji Üniv. Ankara,, 01 October 2012, pp.111
- VIII. **“ Bakır(II) / H₂O₂ başlatıcılı lipid peroksidasyonu üzerine ?-tokoferolün antioksidan etkisi”,**
SÖNMEZOĞLU İ., İmer F., Apak R.
VI. Ulusal Analitik Kimya Kongresi, Mustafa Kemal Üniv. Hatay,, 01 September 2012, pp.72
- IX. **“Antioxidant protective effect of ?- tocopherol on the lipid peroxidation induced by copper / ascorbic acid system”**
Yıldıoğan B., SÖNMEZOĞLU İ., İmer F., Apak R.
Chemical Physics Congress IX, Çeşme, İzmir/Turkey,, 01 October 2010
- X. **“Antioxidant Protective Effect of Flavonoids on the Lipid Peroxidation Induced by Copper / Ascorbic Acid System”,**
SÖNMEZOĞLU İ., İmer F., Apak R.
IUPAC Workshop on Antioxidant Measurement Assay Methods , Turkey İstanbul, İstanbul Üniv., 01 April 2010
- XI. **“ Antioxidant Protective Effect of Flavonoids on the Copper(II)-Catalyzed Autoxidation of Ascorbic Acid”.**
SÖNMEZOĞLU İ., İmer F., Apak R.
AACD 2008, 6th Aegean Analytical Chemistry Days, Pamukkale Üniversitesi, Denizli,, 01 October 2008, pp.9-12
- XII. **“ L- Askorbik Asidin Bakır- Katalizli Oksidasyonuna Flavonoidlerin Etkisinin Modifiye Edilmiş CUPRAC Yöntemi ile Araştırılması”,**
SÖNMEZOĞLU İ., İmer F., Apak R.
XXII. Ulusal Kimya Kongresi, Doğu Akdeniz Üniversitesi, Kuzey Kıbrıs, 01 October 2008
- XIII. **, “The effect of pH on metal catalyzed oxidation of L-ascorbic acid in presence of aspartame investigated by copper(II)-neocuproine spectrophotometry”**
SÖNMEZOĞLU İ., İmer F., Kılıç H., Apak R.
5th Aegean Analytical Chemistry Days , 5-8 October 2006, Thessaloniki, Greece, 01 October 2006, pp.115
- XIV. **, “Study of ascorbic acid oxidation using a transition metal catalyzed aspartame system”.**
SÖNMEZOĞLU İ., İmer F., Kılıç H., Apak R.
Chemical Physics VII, 19-20 May 2006, Süleyman Demirel Üniv., Eğirdir-Isparta,, 01 May 2006

Supported Projects

SÖNMEZOĞLU İ., Project Supported by Higher Education Institutions, Askorbik Asidin Antioksidan Ve Prooksidan Özelliklerinin Ve Diğer Antioksidanlarla Etkileşimlerinin Araştırılması, 2009 - 2011

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