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Publons / Web Of Science ResearcherID: JZC-7980-2024

Yoksis Araştırmacı ID: 104595

Eğitim Bilgileri

Doktora, Anadolu Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Türkiye 2003 - 2010

Yüksek Lisans, Anadolu Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Türkiye 2000 - 2003

Lisans, Anadolu Üniversitesi, Fen Fakültesi, Kimya, Türkiye 1996 - 2000

Araştırma Alanları

Metalurji ve Malzeme Mühendisliği, Kimya

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. Hydrothermal synthesis of bare TiO₂ nanowires and polystyrene (PS)-TiO₂ nanowires used for selective photocatalytic oxidation of 3-pyridinemethanol in water and PS photodegradation in solid state**
Erol İ., Khamidov G., Efe E., YURDAKAL S., Palmisano L.
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- XI. **Aqueous selective photocatalytic oxidation of salicyl alcohol by TiO₂ catalysts: Influence of some physico-chemical features**
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- XII. **Preface to the special issue entitled "New frontiers in photo(thermo)catalysis" in honour of Prof. Leonardo Palmisano**
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- XIV. **Tuning the selectivity to aldehyde via pH regulation in the photocatalytic oxidation of 4-methoxybenzyl alcohol and vanillyl alcohol by TiO₂ catalysts**
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- XVI. **Alkaline treatment as a means to boost the activity of TiO(2) in selective photocatalytic processes**
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- XVIII. **Heterogeneous photocatalysis: guidelines on experimental setup, catalyst characterization, interpretation, and assessment of reactivity**
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- XX. **Influence of the Preparation Temperature on the Photocatalytic Activity of 3D-Ordered Macroporous Anatase Formed with an Opal Polymer Template**
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- XXI. **Anatase photocatalyst with supported low crystalline TiO₂: The influence of amorphous phase on the activity**
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- XXXI. **N-Doped Anatase/Rutile Photocatalysts for the Synthesis of Aromatic Aldehydes Under Ultraviolet and Solar Irradiation**

- Tek B. S., YURDAKAL S., Ozcan L., Augugliaro V., Loddo V., Palmisano G.
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- XXXVI. **Photocatalytic Selective Oxidation of 5-(Hydroxymethyl)-2-furaldehyde to 2,5-Furandicarbaldehyde in Water by Using Anatase, Rutile, and Brookite TiO₂ Nanoparticles**
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- XXXVII. **Photoelectrocatalytic selective oxidation of 4-methoxybenzyl alcohol in water by TiO₂ supported on titanium anodes**
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- XLI. **Influence of Amorphous TiO_{2-x} on Titania Nanoparticle Growth and Anatase-to-Rutile Transformation**
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- XLII. **Enhancing selectivity in photocatalytic formation of p-anisaldehyde in aqueous suspension under solar light irradiation via TiO₂ N-doping**
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- XLVI. **Kinetics of 4-Methoxybenzyl Alcohol Oxidation in Aqueous Solution in a Fixed Bed Photocatalytic Reactor**
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- LVIII. **TiO₂/ORMOSIL thin films doped with phthalocyanine dyes: New photocatalytic devices activated by**

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- LIX. **Nanostructured rutile TiO₂ for selective photocatalytic oxidation of aromatic alcohols to aldehydes in water**
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- LX. **Photocatalytic Degradation of 4-Nitrophenol in a Continuous Reactor Containing Titanium Dioxide Supported on Glass Beads**
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- LXII. **Optical properties of TiO₂ suspensions: Influence of pH and powder concentration on mean particle size**
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- LXIII. **Photocatalytic oxidation of nitrobenzene and phenylamine: Pathways and kinetics**
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Kitap & Kitap Bölümleri

- I. **Selective photoelectrocatalytic transformations of organic compounds**
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- II. **Future perspectives**
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- III. **Synthesis, deposition and characterization of titanium dioxide and titanium dioxide based materials**
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- IV. **Economical aspects, toxicity, and environmental fate of cerium oxide**
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- V. **Adsorption Isotherms and BET, SEM, FTIR, UV-Vis, Photoluminescence, and Electrochemical Characterizations**

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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. Asit, baz muamelesi ve Pt katkısı ile etkinliği arttırılmış TiO₂ fotokatalizörleri ile çevre dostu koşullarda vitamin B3 sentezi**
YURDAKAL S., Çetinkaya S., Yanar Ş. Ö., Augugliaro V., Garlisi C., Palmisano G., Soria J.
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- II. Çevre Dostu Koşullarda Pt Katkılı TiO₂'lerle Fotokatalitik Vitamin B3 Sentezi**
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Metrikler

Yayın: 80

Atf (WoS): 2659

Atf (Scopus): 3148

H-İndeks (WoS): 26

H-İndeks (Scopus): 29