

JOURNAL PUBLICATIONS:

1. “Mössbauer Study of the Autoxidation of Ethylenediaminetetraacetate-Ferrate(II)”
P.A. Szilágyi, Z. Homonnay, R. Szalay, V.K. Sharma, and A. Vértes,
Structural Chem., In Press (2007).
2. “Reactivity of Ferrate(V) ($\text{Fe}^{\text{V}}\text{O}_4^{3-}$) with Aminopolycarboxylates in Alkaline Medium: A Premix Pulse Radiolysis”
Inorg. Chim. Acta., In Press (2007).
3. “Dissociation of Protonated Methionine in Seawater Media”
V.K. Sharma, F.J. Millero, C. De Stefano and P. Crea,
Mar. Chem., In Press (2007).
4. “Ferrate(VI) Oxidation of Zinc-Cyanide Complex”
R. Yngard, S. Damrongsiri, K. Osathaphan, and V.K. Sharma,
Chemosphere., In Press (2007)
5. “Review of Kinetics of Chemical and Photocatalytic Oxidation of As(III) as Influenced by pH”
V.K. Sharma, P.K. Dutta, and A.K. Ray,
J. Environ. Sci. Health A., 42, 997-1004 (2007).
6. “Characterization and Mechanism of Thermal Decomposition of Potassium Ferrate(VI), K_2FeO_4 in Static Air”
L. Machala, R. Zboril, V.K. Sharma, J. Filip, O. Schneeweiss, and Z. Homonnay,
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7. “Formation of Iron(VI) in Ozonolysis of Iron(III) in Alkaline Solution”
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8. “A Review of Disinfection Performance of Fe(VI) in Water and Wastewater”
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9. “Polycyclic Aromatic Hydrocarbons (PAHs) in Surface Water of Ráckevei-Soroksári Danube branch, Hungary”
P. Nagy, J. Fekete, and V.K. Sharma,
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10. “Electrochemical Formation of Ferrate(VI) in a Molten NaOH-KOH System”
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11. “Oxidation of Sulfonamide Antimicrobials by Ferrate(VI) [$\text{Fe}^{\text{VI}}\text{O}_4^{2-}$]”
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12. "Silver Colloid Nanoparticles: Synthesis, Characterization, and their Antibacterial Activity"
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13. "Thermal Decomposition of Iron(VI) Oxides, K_2FeO_4 and $BaFeO_4$ in an Inert Atmosphere"
J. Madarász, R. Zbořil, Z. Homonnay, V.K. Sharma, and G. Pokol,
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14. "Ferrate(VI): Green Chemistry Oxidant for Degradation of Cationic Surfactant"
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15. "Ferrate(VI) Oxidation of Ibuprofen: A kinetic Study"
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16. "Dissociation Constants of Cysteine in Seawater Media"
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17. "Kinetic Assessment of the Potassium Ferrate(VI) Oxidation of Antibacterial Drug Sulfamethoxazole"
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20. "Photocatalytic Oxidation of Arsenic(III): Evidence of Hydroxyl Radical"
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21. "Heterogeneous Photocatalytic Reduction of Fe(VI) in UV-Irradiated Titania Suspensions: Effect of Ammonia"
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34. "Atmospheric deposition of Polycyclic Aromatic Hydrocarbons (PAHs) in Moss (*Hypnum cupressiforme*) in Hungary"
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BOOK CHAPTERS:

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