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- 2 Effect of pH on one-electron oxidation chemistry of organoselenium compounds in aqueous solutions
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- 5 A comparative *ab initio* study of $Br_2^{\bullet-}$ and Br_2 water clusters
A.K. Pathak, T. Mukherjee and D.K. Maity
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- 6 Dynamics of OH radical generation in laser induced photodissociation of tetrahydropyran at 193 nm
S. SenGupta, H.P Upadhyaya, A. Kumar, P.D. Naik and P.N. Bajaj
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- 7 Polyene photoisomerization rates: Are they distinct in aqueous block copolymer micelles and gels?
K. S. Mali, G. B Dutt, and T. Mukherjee,
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- 8 Synthesis of Au, Au/Ag, Au/Pt and Au/Pd nanoparticles using the microwave-polyol method
K. Patel, S. Kapoor, D.P. Dave and T. Mukherjee
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- 9 Nature of the transient species formed in pulse radiolysis of n-allylthiourea in aqueous solutions
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- 10 Scavenging of reactive oxygen radicals by Resveratrol: antioxidant effect
H.S. Mahal and T. Mukherjee
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- 11 Kinetic and spectral studies on transient species formed in pulse radiolysis of 2,6-diacetylpyridine in aqueous solutions
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- 12 Pulse radiolysis studies of mangiferin, a c-glycosyl xanthone from *magifera indica*
B.Mishra, M. Sudheer Kumar, K.I. Priyadarsini, M. Unnikrishnan and Harimohan
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M. Kumbhakar, S. Nath, T. Mukherjee and H. Pal
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- 14 Solvent polarity and intramolecular hydrogen bonding effects on the photophysical
properties of 1-amino-9,10-anthraquinone dye.
P. Dahiya, M. Kumbhakar, D.K. Maity, T. Mukherjee, A.B.R. Tripathi,
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- 15 Free radical scavenging reactions & photochemical analysis of triphala, an ayurvedic
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- 16 Interfacial electron transfer dynamics into the surface states of ZrO₂ nanoparticles
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- 18 Some parametric studies on separation of palladium from perchloric acid medium by
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- 20 Study of applicability of glycine system by a spectrophotometric read-out method for
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- 21 Determination of trace impurities in chromium matrices after separation as Cr (III)
using oxalate form of anion exchanger
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- 22 Macro micro separation of selenium and tellurium : application to NAA
S.R. Kayasth, K. Swain and T. Mukherjee
J. Radioanal, Nucl. Chem.

Journals (Communicated)

- 1 Ultrafast intermolecular hydrogen-bond dynamics in the excited state of fluorenone
V. Samant, A.K.Singh, G. Ramakrishna, H.N. Ghosh, T.K. Ghanty and D.K. Palit
J. Phys. Chem. A .
- 2 Structure, bonding and spectra of intermediates formed on SCN^- anion and X^\bullet radical reaction ($\text{X}=\text{Cl}$, Br and OH)
A.K. Pathak, T. Mukherjee and D.K. Maity
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- 3 Hydration of uranyl cations: A critical study on the effective fragment potential approach
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- 5 Ultrafast dynamics and excited state deactivation of $[\text{Ru}(\text{bpy})_2\text{Sq}]^+$ (Ru-Sq) and its derivatives
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- 6 Interfacial electron transfer dynamics in porphyrin sensitized wide bandgap semiconductor
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- 10 Dynamics of dissociation of propynoic acid from both ground and excited electronic states at 193 nm
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