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<http://www.aiche.org/aichejournal/> または

http://www.sciencedirect.com/science?_ob=JournalURL&_cdi=7006&_version=1&_urlVersion=0&_userid=0&md5=d36441509e6f937165578deaa0cabdbb&sb=n

Industrial & Engineering Chemistry Research

<http://pubs.acs.org/journals/iecred/> または

<http://pubs3.acs.org/acs/journals/toc.page?incoden=iecred>

Canadian Journal Chem.Eng.

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34(3),423-429 (2001)

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----- 特集号ここまで
- CFD Determination of Macro-Scale Concentration Distribution in Stirred Tank
34(6), 715-723 (2001)
ZDZISLAW JAWORSKI and JAN DUDCZAK
- Method of Evaluating the Liquid-Liquid Dispersion by the Indices Defined Based on Shape of the Drop Size Distribution in Various Impeller Stirred Tanks
34(6), 790-801(2001)
KAZUHIRO SHIMIZU, MITSUO KAMIWANO, MEGURU KAMINOYAMA and KAZUHIKO NISHI
- Flow Mechanism of a Submerged Jet Impinging on a Free Interface
34(7), 912-918 (2001)
JIANXING ZHENG, SHINYA KISHIMOTO, TAKAYUKI OCHI, TOKUO YOSHIMURA, NAOTO OHMURA and KUNIO KATAOKA
- Characteristics of Laminar Flow Induced by Reciprocating Disk in Cylindrical Vessel
34(7), 919-928(2001)
YOSHIYUKI KOMODA, YOSHIROU INOUE and YUSHI HIRATA
- Characteristics of Turbulent Flow Induced by Reciprocating Disk in Cylindrical Vessel
34(7), 929-935(2001)
YOSHIYUKI KOMODA, YOSHIROU INOUE and YUSHI HIRATA
- Model Analysis of Mixing Time Correlation in an Agitated Vessel with Paddle Impeller
34(12), 1499-1505(2001)
SETSURO HIRAOKA, YUTAKA TADA, YOSHIHITO KATO, AKIHIRO MATSUURA, TAKAO YAMAGUCHI and YOUNG-SEI LEE
- Solid-Liquid Mass Transfer in Gas-Liquid-Solid Agitated Vessel
34(12), 1532-1537(2001)
YOSHIHITO KATO, SETSURO HIRAOKA, YUTAKA TADA, JUNICHIRO SUZUKI, KIMIHIRO HIROSE, YOUNG-SEI LEE and SONG-TAE KOH
- Power Consumption Characteristics of Disc Type Impellers
35(1), 107-110(2002)
A. S. Khare and K. Niranjana
- Mixing Performance of an Agitated Vessel with Bottom Baffles
35(2), 208-210 (2002)
Yoshihito Kato, Setsuro Hiraoka, Yutaka Tada, Mitsuhiro Ohnishi, Tomoko Naganawa, Ryuichiro Yamauchi and Katsumi Shiobara
- Bubble Size Measurement in a Gas-Liquid Ejector for a Sodium Chloride-Air System
35(4), 389-392(2002)
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Experimental Study of a New Liquid Mixing Method Using Acoustic Streaming

35(6), 497-502(2002)

Csaba Suri, Katsuhide Takenaka, Yoshihiro Kojima and Kiyohito Koyama

Mixing Performances of a New Mixing Equipment with Vibratory Fins

35(7), 649-653(2002)

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Effect of Inhomogeneous Mixing on Chemical Reaction in a Taylor Vortex Flow Reactor

35(7), 692-695(2002)

Naoto Ohmura, Hirokazu Okamoto, Tsukasa Makino and Kunio Kataoka

Trans. IChemE (Chemical Engineering Research and Design)

<http://fordilji.catchword.com/vl=7149844/cl=16/nw=1/rpsv/catchword/icheme/02638762/contp1-1.htm>

Trailing Vortices of Rushton Turbine: PIV Measurements and CFD Simulations with Snapshot Approach

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79(5),(2001) <Special Issue> Fluid Flow

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----- 特集号ここまで

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79(6), 684-688(2001)

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79(7), 789 -794 (2001)

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79(8),(2001) <Special Issue> 4th International Symposium on Mixing in Industrial Processes

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----- 特集号ここまで

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80(1),31-44(2002)

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CFD Study of Homogenization with Dual Rushton Turbines - Comparison with Experimental Results Part II: The Multiple Reference Frame
80(1),97-104(2002)

W. Bujalski; Z. Jaworski; A. W. Nienow

Laminar Mixing Performances of a Stirred Tank Equipped with Helical Ribbon Agitator Subjected to Steady and Unsteady Rotational Speed
80(4), 335 -344(2002)

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CFD Study of Power and Mixing Time for Paddle Mixing in Unbaffled Vessels
80(5), 482-498(2002)

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80(5), 543-549(2002)

I. W. Cumming; C. D. Rielly; A. J. Mason

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<http://www.elsevier.nl/inca/publications/store/2/1/5/index.htm> または

<http://www.sciencedirect.com/science?>

[_ob=JournalURL&_issn=00092509&_auth=y&_acct=C000000593&_version=1&_urlVersion=0&_userid=2735&md5=a9f275de9078837a91eabf74d5ced4f9](http://www.sciencedirect.com/science?_ob=JournalURL&_issn=00092509&_auth=y&_acct=C000000593&_version=1&_urlVersion=0&_userid=2735&md5=a9f275de9078837a91eabf74d5ced4f9)

Hydrodynamics of jet mixing in vessels
56(1), 193-210(2001)

S. Jayanti

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56(2), 443-452(2001)

J. B. Joshi, S. B. Sawant, A. W. Patwardhan, D. J. Patil, S. S. Kshatriya and N. K. Nere

- A networks-of-zones analysis of mixing and mass transfer in three industrial bioreactors
56(2), 485-492(2001)
J. Zahradník, R. Mann, M. Fialová, D. Vlaev, S. D. Vlaev, V. Lossev and P. Seichter
- Droplet size distribution in a continuous oscillatory baffled reactor
56(3), 735-739(2001)
Nitin E. Pereira and Xiongwei Ni
- Scale-up effects on the drop size distribution of liquid-liquid dispersions in agitated vessels
56(3), 741-746(2001)
W. Podgórska and J. Badyga
- Liquid flow velocity measurements in stirred tanks by ultra-sound Doppler velocimetry
56(3), 747-754(2001)
J. Bouillard, B. Alban, P. Jacques and C. Xuereb
- Distribution of suspended particles in a Taylor-Poiseuille vortex flow reactor
56(3), 755-761(2001)
M. M. Resende, P. W. Tardioli, V. M. Fernandez, A. L. O. Ferreira, R. L. C. Giordano and R. C. Giordano
- Macro-mixing, partial segregation and 3-D selectivity fields inside a semi-batch stirred reactor
56(3), 763-769(2001)
M. Rahimi and R. Mann
- Gas absorption in an agitated gas-liquid-liquid system
56(3), 1075-1083(2001)
A. H. G. Cents, D. W. F. Brillman and G. F. Versteeg
- Particle formation by mixing with supercritical antisolvent at high Reynolds numbers
56(7), 2421-2433(2001)
B. Yu. Shekunov, J. Baldyga and P. York
- Influence of different scales of mixing in reaction crystallization
56(7), 2459-2473(2001)
Marika Torbacke and Åke C. Rasmuson
- Correlating laminar burning velocities using perfectly stirred reactor theory
56(8), 2761-2766(2001)
Robert B. Barat
- Reynolds number effects on mixing and reaction in a turbulent pipe flow
56(10), 3197-3210(2001)
Stefan Heinz and Dirk Roekaerts
- Effects of agitation and scale-up on drop size in turbulent dispersions: allowance for intermittency
56(11) 3377-3385(2001)
J. Badyga, J. R. Bourne, A. W. Pacek, A. Amanullah and A. W. Nienow
- Deactivation of lipase at gas-liquid interface in stirred vessel
56(11), 3401-3408(2001)
Madalasa Mohanty, R. S. Ghadge, N. S. Patil, S. B. Sawant, J. B. Joshi and A. V. Deshpande
- Numerical simulations of the dependency of flow pattern on impeller clearance in stirred vessels
56(12), 3751-3770(2001)
G. Montante, K. C. Lee, A. Brucato and M. Yianneskis
- Micromixing efficiency in static mixer
56(12), 3797-3802(2001)
J. Z. Fang and D. J. Lee
- Triphase catalysis: a correlation for Sherwood number using the rotating disk contactor (RDC) developed earlier
56(12), 3815-3827(2001)
Holger J. Glatzer and L. K. Doraiswamy
- Novel sub-micron highly multi-layered polymer films formed by continuous flow chaotic mixing
56(12), 3893-3897(2001)
D. A. Zumbrunnen and S. Inamdar
- Granular flow over a flat-bladed stirrer
56(14), 4257-4271(2001)
R. L. Stewart, J. Bridgwater and D. J. Parker
- Power input in closed stirred vessels
56(14), 4445-4450(2001)
Constantin Dan Tac and Mihaela Punescu
- Prediction of impeller torque in high shear powder mixers
56(15), 4457-4471(2001)
P. C. Knight, J. P. K. Seville, A. B. Wellm and T. Instone
- Hydrodynamic model of a mixing vessel with pitched-blade turbines
56(15), 4659-4672 (2001)
Cz. Kunciewicz and M. Pietrzykowski

- Computational analysis of regular and chaotic mixing in a stirred tank reactor
56(16), 4887-4899(2001)
D. J. Lamberto, M. M. Alvarez and F. J. Muzzio
- Fluid dynamics and mixing in three-phase coal and oil residue hydrogenation sieve cascade reactors
56(17), 5131-5145 (2001)
Alex Bakopoulos
- Simulated and measured flow of granules in a bladed mixer – a detailed comparison
56(19), 5457-5471(2001)
R. L. Stewart, J. Bridgwater, Y. C. Zhou and A. B. Yu
- The influence of micromixing on molecular weight distribution during controlled Polypropylene degradation in a static mixer reactor
56(23), 6589-6603(2001)
E. Fourcade, H. C. J. Hoefsloot, G. van Vliet, W. Bunge, S. M. P. Mutsers and P. D. Iedema
- Integrated experimental and computational approach to simulation of flow in a stirred tank
56(23), 6635-6649(2001)
H. S. Yoon, K. V. Sharp, D. F. Hill, R. J. Adrian, S. Balachandar, M. Y. Ha and K. Kar
- CFD calculation of laminar striation thinning in static mixer reactors
56(23), 6729-6741 (2001)
Eric Fourcade, Rob Wadley, Huub C. J. Hoefsloot, Andrew Green and Piet D. Iedema
- Numerical simulation of the gas – particle turbulent flow in riser reactor based on $k - \epsilon$ two-fluid model
56(24), 6813-6822 (2001)
Yu Zheng, Xiaotao Wan, Zhen Qian, Fei Wei and Yong Jin
- CFD modeling of jet mixed tanks
57(8), 1307-1318 (2002)
A. W. Patwardhan
- The influence of mixing on lysozyme renaturation during refolding in an oscillatory flow and a stirred-tank reactor
57(10), 1679-1684(2002)
Chew T. Lee, A. Mark Buswell and Anton P. J. Middelberg
- Dispersion coefficient and settling velocity of the solids in agitated slurry reactors stirred with multiple rushton turbines
57(11), 1877-1884(2002)
M. Nocentini, D. Pinelli and F. Magelli
- Measuring techniques in gas – liquid and gas – liquid – solid reactors
57(16), 3185-3215(2002)
Christophe Boyer, Anne-Marie Duquenne and Gabriel Wild
- Hydrodynamics and volumetric gas – liquid mass transfer coefficient of a stirred vessel equipped with a gas-inducing impeller
57(16), 3299-3306 (2002)
S. Poncin, C. Nguyen, N. Midoux and J. Breyse
- Hydrodynamics and mass transfer in gas – liquid flow through static mixers
57(16), 3325-3333 (2002)
A. Heyouni, M. Roustan and Z. Do-Quang
- A description of phase inversion behaviour in agitated liquid – liquid dispersions under the influence of the Marangoni effect
57(17), 3505-3520 (2002)
Leslie Y. Yeo, Omar K. Matar, E. Susana Perez de Ortiz and Geoffrey F. Hewitt
- Practical chaotic mixing
57(17), 3749-3753(2002)
M. M. Alvarez-Hernández, T. Shinbrot, J. Zalc and F. J. Muzzio
- Comments on "Power input in closed stirred vessels" by C. D. Tac and M. Punescu
57(17), 3755 (2002)
Ivan Fot
- Power-draw analysis of a coaxial mixer with Newtonian and non-Newtonian fluids in the laminar regime
57(18), 3861-3872 (2002)
F. Thibault and P. A. Tanguy
- Investigation by laser Doppler velocimetry of the effects of liquid flow rates and feed positions on the flow patterns induced in a stirred tank by an axial-flow impeller
57(18), 3939-3952 (2002)
Paul Mavros, Catherine Xuereb, Ivan Fot and Joël Bertrand
- Aging characteristics of protein precipitates produced by polyelectrolyte precipitation in turbulently agitated reactor
57(19), 4077-4085 (2002)
Woon-Soo Kim, Izumi Hirasawa and Woo-Sik Kim

- Mixing in a Cross-Flow-Impinging Jet Reactor
47(3), 536-544 (2001)
Patrice Nadeau, Dimitrios Berk and Richard J. Munz
- Simultaneous Grinding and Dissolution of TNT Solids in an Agitated Slurry
47(3), 572-581 (2001)
Patrick C. Gilcrease, Vincent G. Murphy and Kenneth F. Reardon
- Simulation of Turbulent Precipitation in a Semi-batch Taylor-Couette Reactor Using CFD
47(3), 664-676(2001)
D. L. Marchisio, A. A. Barresi and R. O. Fox
- Simulations of Gas-Liquid-Solid 3-Phase Flow and Reaction in FCC Riser Reactors
47(3), 677-692 (2001)
Jinsen Gao, Chunming Xu, Shixiong Lin, Guanghua Yang and Yincheng Guo
- PIV Study of Small-Scale Flow Structure around a Rushton Turbine
47(4), 766-778 (2001)
K. V. Sharp and R. J. Adrian
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47(4), 920-928(2001)
Jan M. H. Fortuin, Johan J. Heiszwolf and Costin S. Bildea
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47(6), 1277-1284 (2001)
Kevin J. Bittorf and Suzanne M. Kresta
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47(8), 1731-1739 (2001)
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47(10), 2167-2176 (2001)
T. Kovacs, C. Trägårdh and L. Fuchs
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47(11), 2390-2401 (2001)
Suzanne M. Kresta, Kevin J. Bittorf and David J. Wilson
- Numerical Scale-Up Study for Orthokinetic Agglomeration in Stirred Vessels
47(11), 2425-2440 (2001)
E. D. Hollander, J. J. Derksen, L. M. Portela and H. E. A. Van den Akker
- Experimental Study of Turbulent Mixing in a Tee Mixer Using PIV and PLIF
47(12), 2653-2665 (2001)
Gang Pan and Hui Meng
- Simple Model for Power Consumption in Aerated Vessels Stirred by Rushton Disc Turbines
47(12), 2673-2683 (2001)
A. Paglianti, K. Takenaka and W. Bujalski
- Steady-State and Decay Dynamics for Impellers of Varying Aspect Ratio in Unbaffled Tanks
48(1), 38-49 (2002)
D. Maynes and M. Butcher
- Dispersive Granular Flow in a Horizontal Drum Stirred by a Single Blade
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B. F. C. Laurent and J. Bridgwater
- Characterization of Flow and Mixing in an SMX Static Mixer
48(3), 427-436 (2002)
J. M. Zalc, E. S. Szalai, F. J. Muzzio and S. Jaffer
- Experimental Analysis of Hydrodynamics in Axially Agitated Tank
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Stephan Bugay, Renaud Escudie and Alain Line
- Population Balance Modeling of Aerated Stirred Vessels Based on CFD
48(4), 673-685(2002)
Bart C. H. Venneker, Jos J. Derksen and Harrie E. A. Van den Akker
- FBR for Catalytic Propylene Polymerization: Controlled Mixing and Reactor Modeling
48(6), 1268-1283 (2002)
G. B. Meier, G. Weickert and W. P. M. van Swaaij
- Mean Concentrations and Concentration Fluctuations in a Stirred-Tank Reactor,
48(7), 1390-1400 (2002)
Iris L. M. Verschuren, Johan G. Wijers and Jos T. F. Keurentjes

Experiments on Chaotic Mixing in a Screw Channel Flow
48(8), 1621-1630 (2002)
W. R. Hwang, H. S. Jun and T. H. Kwon

Large-Scale Oscillations of a Feedstream Inside a Stirred Tank Reactor
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Iris L. M. Verschuren, Johan G. Wijers and Jos T. F. Keurentjes

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<http://pubs.acs.org/journals/iecred/>
<http://pubs3.acs.org/acs/journals/toc.page?incoden=iecred>

Turbulent Mixing in a Coflowing Liquid Jet
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Sid Benayad, Abdelaziz Salem, and Jack Legrand

Prediction of Flow Pattern in Stirred Tanks: New Constitutive Equation for Eddy Viscosity
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Nandkishor K. Nere, Ashwin W. Patwardhan, and Jyeshtharaj B. Joshi

Prediction of Flow Characteristics and Energy Balance for a Variety of Downflow Impellers
40(17), 3806 – 3816(2001)
Ashwin W. Patwardhan

A Study of Turbulent Mixing of Confined Impinging Streams Using a New Composite Turbulence Model
40(22), 4998 – 5004(2001)
Sakamon Devahastin and Arun S. Mujumdar

Canadian Journal Chem.Eng.

<http://www.cjche.ca/journal/published.html>

[The Jet Shape of Concentric Mixers](#)

79(1), 87-93(2001)
Aklilu T.G. Giorges, Xiaodong Wang and Larry J. Forney

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Naoki Dohi, Yukimasa Matsuda, Norihiro Itano, Kimio Minekawa, Takanori Takahashi and Yoshinori Kawase

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[The Effect of Impeller Pumping and Fluid Rheology on Solids Suspension in a Stirred Vessel](#)

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Wei-Ming Lu, Hong-Zhang Wu, Cheng-Ying Chou

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http://www.scej.org/jp_html/index_j.htm

攪拌槽内流動の可視化とLDV速度測定による流れの長周期ゆらぎ現象の解析
化学工学論文集, 27(2), 259-264(2001)
松田充夫、多田豊、平岡節郎、毛利之彦、李泳世

流れ関数による攪拌槽の長周期変動現象の数値解析および実験との比較
化学工学論文集, 27(3), 386-391(2001)
松田充夫、多田豊、平岡節郎、八木英輝、毛利之彦

邪魔板なし攪拌槽内の流れの直接数値シミュレーションと実験による検証
化学工学論文集, 27(5), 554-559(2001)
湯 晋一・中野良徳・梅景俊彦

テイラー渦流反応装置における孤立混合領域
化学工学論文集, 27(5), 566-573(2001)
牧野 司・海瀬卓也・佐々木健志・大村直人・片岡邦夫

乱流攪拌槽の混合時間に及ぼす翼および邪魔板条件の影響
化学工学論文集, 28(1), 9-15(2002)
亀井登, 平岡節郎, 加藤禎人, 山崎桂子

高粘度液通気攪拌槽の攪拌所要動力と物質移動容量係数
化学工学論文集, 28(2), 188-195(2002)
栗山雅文・門叶秀樹・原田英二

電気化学的方法を用いた塑性流体攪拌流動域境界の測定
化学工学論文集, 28(3), 280-286(2002)
長舟誉也・小島 英・三枝奈都記・平田雄志