

検索雑誌名

JOURNAL OF CHEMICAL ENGINEERING OF JAPAN

<http://jcej.jstage.jst.go.jp/cgi-bin/rs.cgi?FID=0010020&LANGUAGE=ja>

Trans. IChemE (Chemical Engineering Research and Design)

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

Chemical Engineering Science

<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

AIChE Journal

<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 of Chemical Engineering

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

Chemical Engineering & Technology

化学工学論文集

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

本年度も従来に従い上記の雑誌より検索しました。論文リストは2002年から2003年にかけてのものを掲載してあります。各雑誌のWebによる検索が可能のように各HPのURLも紹介しておきました。また、ここに掲載した論文はすべて所持していますのでご一報いただければ送付可能です。

名古屋工業大学 加藤禎人
2003.11.27

JOURNAL OF CHEMICAL ENGINEERING OF JAPAN

Characterization of Liquid-Liquid Dispersion in Batch and Continuous Toroidal Minimixer

36(1),1-6 (2003)

L.Brujes, J.Legrand and G.Carnelle

A Novel Measurement Technique for Mixing Time in an Aerated Stirred Vessel

36(1),66-74 (2003)

N.Otomo, W.Bujalski, A.W. Nienow and K.Takahashi

Numerical Simulation of the Flow Field in the Mixing Section of a Screw Extruder by the Lattice Gas Automata Method

36(1),110-113 (2003)

H.Horiguchi, K.Takahashi and T.Yokota

Correlation of Discharge Flow Rate in a Vessel with Pitched Blade Paddle Impeller

36(2),187-197 (2003)

S.Hiraoka, Y.Tada, Y.Kato, Y.Murakami, Y.Sato, A.Matuura and T.Yamaguchi

Power Consumption and Gas-Liquid Mass Transfer Volumetric Coefficient in an Agitated Vessel with Pitched Wire-Gauze Blade Impeller under Aeration

36(3),333-338 (2003)

S.Hiraoka, Y.Tada, Y.Kato, Y.Ukai, J.Sasaki, T.Yamaguchi and A.Matuura

Mixing Performance of Reciprocally Shaking Vessel

36(6),663-667(2003)

Y. Kato, S. Hiraoka, Y. Tada, K. Hirose and J.Buechs

Gassed Power Consumption and Gas Hold-up for a Dual Hollow Blade Impeller System in a Stirred Vessel

36(8),905-911 (2003)

N.Otomo, W.Bujalski, A.W. Nienow and K.Takahashi

Drop Size Distribution in Liquid-Liquid Mixing

36(8),940-945 (2003)

T.OK, S.Oogawara, S.Yoshikawa and K.Ogawa

Transactions IChemE Part A(Chemical Engineering Research and Design)

CFD Study of Power and Mixing Time for Paddle Mixing in Unbaffled Vessels

80(6), 482-498(2002)

S.M. Shekhar and S.Jayanti

Static Mixers to Promote Axial Mixing

80(9), 681-685(2002)

E.B.Nauman, D.Kothari and K.D.P.Nigam

Mixing Time in Rheologically Evolving Model Fluids by Hybrid Dual Mixing Systems

80(11), 817-823(2002)

T.Espinosa-Solares, E.Brito-de La Fuente, A.Tecante, L.Medina-Torres and P.A.Tanguy

The Influence of the Addition Position of a Tracer on CFD Simulated Mixing Times in a Vessel Agitated by a Rushton Turbine

80(11), 824-831(2002)

J.M.Bujalski, Z.Jaworski, W.Bujalski and A.W.Nienow

Recent Studies on Agitated Three-phase (Gas-Solid-Liquid) Systems in the Turbulent Regime

80(11), 832-838(2002)

A.W.Nienow and W.Bujalski

Gas-Liquid-Solid Operation of a Vortex-ingesting Stirred Tank Reactor

80(11), 839-845(2002)

K.Conway, A.Kyle and C.D.Rielly

Modeling of the Turbulent Wall Jet Generated by a Pitched Blade Turbine Impeller : The Effect of Turbulence Model

80(11), 846-854(2002)

J.Jaworski and B.Zakrzewska

Study of Micromixing in a Stirred Tank Using a Rushton Turbine : Comparison of Feed Positions and Other Mixing Devices

80(11), 855-863(2002)

M.Assirelli, W.Bujalski, A.Eaglesham and A.W.Nienow

Phase Inversion During Liquid-Liquid Mixing in Continuous Flow, Pump-mix, Agitated Tanks

80(11), 864-871(2002)

R.N.Reeve and J.C.Godfrey

Fluid Mixing and the Safe Quenching of a Runaway Reaction in a Stirred Autoclave

80(11), 872-879(2002)

H.V.Hristov and R.Mann

Micromixing in Boiling and Hot Sparged Systems : Development of a New Reaction Pair

80(11), 880-886(2002)

D.Zhao, H.Muller-Steinhagen and J.M.Smith

Temperature Effects on the Gas Hold-up in Agitated Vessels

80(11), 887-892(2002)

R.Schaper, A.B.de Haan and J.M.Smith

Assessment of Particle Suspension Conditions Pressure Gauge Technique

80(11), 893-902(2002)

G.Micale, F.Grisafi and A.Brucato

Tomographic Imaging of Fluid Mixing in Three Dimensions for Single-feed Semi-batch Operation of a Stirred Vessel

80(11), 903-909(2002)

S.J.Stanley, R.Mann and K.Primrose

Two-phase Laminar Flow Simulations in a Kenics Static Mixer : Standard Eulerian and Lagrangian Approachs

80(11), 910-916(2002)

Z.Jaworski and P.Pianko-Oprych

Ignition Characteristics of Turbulent Jet Flows

80(11), 917-923(2002)

R.F.Alvani and M.Fairweather

Mixing in Tanks Agitated by Jets

81(2), 211-220(2003)

Prediction of Cloud Height for Solid Suspension in Stirred Tanks

81(2), 568-577(2003)

K.J.Bittorf and S.M.Kresta

Static Mixers in the Process Industries – A Review

81(8), 787-826(2003)

Chemical Engineering Science

Hydrodynamics and Mass Transfer in Gas-Liquid Flow through Static Mixers

57, 3325-3333(2002)

- A.Heyoumi, M.Rouatan and Z.Do-Quang
- Hydrodynamics and Volumetric gas-liquid Mass Transfer Coefficient of a Stirred Vessel Equipped with a Gas-inducing Impeller
57, 3299-3306(2002)
S.Poncin, C.Nguyen, N.Midoux and J.Breysee
- The Influence of DEM Simulation Parameters on the Particle Behaviour in a V-mixer
57, 3621-3638(2002)
H.P.Kuo, P.C.Knight, D.J.Parker, Y.Tsuji, M.J.Adams and J.P.K.Seville
- Practical Chaotic Mixing
57, 3749-3753(2002)
M.M.Alvarez-Hernandez, T.Shinbrot, J.Zalc and F.J.Muzzio
- Comments on "Power Input in Closed Stirred Vessels" by C.D.Taca and M.Paunescu
57, 3755(2002)
Ivan Fort
- Power-draw Analysis of a Coaxial Mixer with Newtonian and Non-Newtonian Fluids in the Laminar Regime
57, 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, 3939-3952(2002)
P.Mavros, C.Xuereb, I.Fort and J.Bertrand
- Experimental Study of the Mixing Kinetics of Binary Pharmaceutical Powder Mixtures in a Laboratory Hoop Mixer
57, 4053-4065(2002)
S.Massol-Chaudeur, H.Berthiaux and J.A.Dodds
- Aging Characteristics of Protein Precipitates Produced by Polyelectrolyte Precipitation in Turbulently Agitated Reactor
57, 4077-4085(2002)
Woon-Soo Kim, I.Hirasawa and Woo-Sik Kim
- A Model of the Coagulation Process with Solid Particles and Flocs in a Turbulent Flow
57, 4357-4368(2002)
S.Schuetz and M.Piesche
- Modeling Heat Transfer for Pitched-blade Turbines Operating in the Laminar Range Mixing
57, 4533-4538(2002)
Cz. Kuncewicz
- Scale-up in Laminar and Transient Regimes of a Multi-stage Stirrer, a CFD Approach
57, 4617-4632(2002)
B.Letelier, C.Xuereb, P.Swaels, P.Hobbes and J.Bertrand
- Segregation Patterns in V-blenders
58, 487-496(2003)
A.Alexander, F.J.Muzzio and T.Shinbrot
- A Novel Approach for Describing Mixing Effects in Homogeneous Reactors
58, 1053-1061(2003)
S.Chakraborty and V.Balakotaiah
- Mass-transfer Enhancement by Static Mixers in a Wall-coated Catalytic Reactor
58, 1063-1070(2003)
J.G.Khinast, A.Bauer, D.Bolz and A.Panarello
- High Temperature Fluidized Bed Reactor: Measurements, Hydrodynamics and Simulation
58, 1071-1077(2003)
H.Cui, P.Sauriol and J.Chaouki
- Heat and Mass Fluxes in Presence of Superficial Reaction in a not Completely Laminar Flow
58, 1079-1086(2003)
A.Di Benedetto, F.S. Marra and G.Russo
- Effect of Gassing Rate on Solid-Liquid Mass Transfer Coefficients and Particle Slip Velocities in Stirred Tank Reactors
58, 1087-1093(2003)
R.P.Fishwick, J.M.Winterbottom and E.H.Stitt
- Time-dependent Flow Structures and Lagrangian Mixing in Rushton-Impeller Baffled-Tank Reactor
58, 1615-1629(2003)
M.Campolo, F.Sbrizzai and A.Soldati
- Gas Hold-up, Mixing Time and Gas-Liquid Volumetric Mass Transfer Coefficient of Various Multiple-impeller Configurations: Rushton Turbine Pitched Blade Techmix Impeller and Their Combinations
58, 1839-1846(2003)
T.Moucha, V.Linek and E.Prokopova

Axial Mixing in Pipe Flows: Turbulent and Transition Regions
58, 2715-2724(2003)
K.Ekambara and J.B.Joshi

On the Origin, Frequency and Magnitude of Macro-instabilities of the Flows in Stirred Vessels
58, 2937-2949(2003)
L.Nikiforaki, G.Montante, K.C.Lee and M.Yianneskis

CFD Simulation of Mixing and Reaction: The Relevance of the Micro-Mixing Model
58, 3579-3587(2003)
D.L.Marchisio and A.Barresi

A New Characteristic of Liquid-liquid Systems – Inversion Holdup of Intensity Agitated Dispersions
58, 3829-3835(2003)
K.B.Deshpande and S.Kumar

Spectral and Wavelet Analysis of the Flow Pattern Transition with Impeller Clearance Variations in a Stirred Vessel
58, 3859-3857(2003)
C.Galletti, E.Brunazzi, M. Yianneskis and A.Paglianti

Applying Rotary Jet Heads for Mixing and Mass Transfer in a Forced Recirculation Tank Reactor System
58, 3877-3890(2003)
M.Nordkvist, T.Grotkjaer, J.S.Hummer and J.Villadsen

Effective Interfacial Area in Agitated Liquid-Liquid Continuous Reactors
58, 3935-3945(2003)

AICHE Journal

Transport Across a Turbulent Air-Water Interface
48(9), 1856-1869(2002)
C.N.S.Law and B.C.Khoo

Large-scale Oscillations of a Feedstream Inside a Stirred Tank Reactor
48(9), 1888-1895(2002)
I.L.M.Verschuren, J.G.Wijers and J.T.F.Keurentjes

Using CFD to Understand Chaotic Mixing in Laminar Stirred Tanks
48(9), 1856-1869(2002)
J.M.Xalc, E.S.Szalai, M.M.Alvarez and F.J.Muzzio

Mechanisms of Mixing and Creation of Dstructure in Laminar Stirred Tanks
48(9), 1856-1869(2002)
M.M.Alvarez, J.M.Zalc, T.Shinbrot, P.E.Arratia and F.J.Muzzio

Experimental Analysis of Hydrodynamics in a Radially Agitated Tank
49(3), 585-603 (2003)
Patrice Nadeau, Dimitrios Berk and Richard J. Munz

Mixing of Power-Law Fluids Using Anchors: Metzner-Otto Concept Revised
49(3), 585-603 (2003)
S.M.Shekhar and S.Jayanti

Entropic Characterization of Distributive Mixing in Polymer Processing Equipment
49(7), 1637-1643(2003)
W.Wang and Ica Manas-Zloczower

Characterization of Asphaltenes Aggregation and Fragmentation in a Shear Field
49(7), 1645-1655(2003)
N.H.G.Rahmani and J.Masliyah

Efficient Simulation of Time-Dependent Flows: Application to a Twin Screw Extruder
49(8), 1933-1946(2003)
J.S.Raut, V.M.Naik and T.R.Jongen

Heat Transfer at the Subcooled-Scraped Surface with/without Phase Change
49(8), 1947-1955(2003)
F.G.F.Qin, X.D.Chen and A.B.Russel

Industrial & Engineering Chemistry Research

Optimum Design of Multiple-Impeller Self-Inducing System
42, 1261-1265(2003)
S.S.Patil and J.B.Joshi

Experimental Investigation of Flow Regimes in an SMX Sulzer Static Mixer
42, 1478-1489(2003)
K.Hirech, A.Arhalass and Jack Legrand

Canadian Journal of Chemical Engineering

Laminar Mixing in Eccentric Stirred Tank Systems

80(8), 546-557(2002)

Mario M. Alvarez, Paulo E. Arratia and Fernando J. Muzzio

Unconventional Configuration Studies to Improve Mixing Times in Stirred Tanks

80(8), 558-565(2002)

Gabrial Ascanio, Magdalena Brito-Bazan, E.Brito-De La Fuente, P.J.Carreau and P.A.Tanguy

Experimental Analysis of Hydrodynamics Induced by a Moritz HAS Impeller in Laminar and Turbulent Regimes

80(8), 566-579(2002)

R.Escudie, A.Line and P. Kiener

Tracer Dispersion in Stirred Tank Reactors: Asymptotic Properties and Mixing Characterization

80(8), 580-590(2002)

M.Giona, A.Paglianti, S. Cerbelli, S.Pintus and A.Adover

Investigation of Flow Patterns in Continuous-flow Stirred Vessels by Laser Doppler Velocimetry

80(8), 5910-600(2002)

P.Mavros, C.Xuereb, I. Fort and J.Bertrand

Power Consumption in the Turbulent Regime for a Coaxial Mixer

80(8), 601-603(2002)

P.A.Tanguy and F.Thibault

Morphology Development in Kenics Static Mixers (Application of the Extended Mapping Method)

80(8), 604-613(2002)

O.S.Galaktionov, P.D.Anderson, G.W.M.Peters and H.E.H.Meijer

The Influence of Viscosity Ratio on Mixing Effectiveness in a Two-fluid Laminar Motionless Mixer

80(8), 614-621(2002)

A.L.Ventresca, Q.Cao and Ajay K.Prasad

Using a New Interfacial Area Transport Equation to Predict Interfacial Area in Co-current Jet Mixers

80(8), 622-631(2002)

S.L.Yarbro and R.L.Long

On the Applicability of the Grace Curve in Practical Mixing Operations

80(8), 632-637(2002)

Y.W.Stegeman, F.N.van de Voss and H.E.H.Meijer

Flow Generated by an Aerated Rushton Impeller: Two-phase PIV Experiments and Numerical Simulations

80(8), 638-652(2002)

N.G.Deen, T.Solberg and B.H.Hjertager

Operational Characteristics of a New Energy-saving Impeller for Gas-Liquid Mixing

80(8), 653-659(2002)

S.D.Vlaev, P.Mavros, P.Seichter and R.Mann

Simple Model to Evaluate Loading/Flooding Transition in Aerated Vessels Stirred by Rushton Disc Turbines

80(8), 660-664(2002)

A. Paglianti

Diagnosis of Solid Distribution in Vessels Stirred with Multiple PBTs and Comparison of Two Modelling Approaches

80(8), 665-673(2002)

G.Montante, D.Pinelli and F.Magelli

Concept for Scale-up of Solids Suspension in Stirred Tanks

80(8), 674-681(2002)

M.Kraume and P.Zehner

Critical Impeller Speed for Suspending Solid in Aerated Agitation Tanks

80(8), 682-687(2002)

Y.Zhu and J.Wu

Measuring Volumetric Phase Fractions in a Gas-Solid-Liquid Stirred Tank Reactor Using an Impedance Probe

80(8), 688-694(2002)

E.Brunazzi, U.Di Festa, C.Galletti, C.Merello, A.Paglianti and S.Pintus

CFD Simulations of Three-dimensional Wall Jets in a Stirred Tank

80(8), 695-709(2002)

S.Bhattacharya and S.M.Kresta

On the Comparison between Probability Density Function Models for CFD Applications

80(8), 710-720(2002)

D.Fissore, D.L.Marchisio and A.A.Barresi

CFD Simulation of Solids Suspension in Mixing Vessels

80(8), 721-726(2002)

N.C.S.Kee and R.B.H.Tan

Pressure Drop and Mass Transfer Study in Static Mixers with Gas Continuous Phase

80(8), 727-733(2002)

A.Couvert, M.F. Peculier and A.Laplanche

Floculation Monitoring: Focused Beam Reflectance Measurement as a Measurement Tool

80(8), 734-740(2002)

A.Blanco, E.Fuente, C.Negro and J.Tijero

Gas-Liquid Mass Transfer Coefficient in Stirred Tank Reactors

80(10), 840-848(2002)

A.A.Yawalkar, A.B.M.Heesink, G.F.Versteeg and V.G.Pangarkar

Important Factors in Bubble Coalescence Modeling in Stirred Tank Reactors

81, 557-565(2003)

R.Sudiyo, T.Virdung and B.Andersson

Some Effects of Particle Wettability in Agitated Solid-Gas-Liquid Systems: Gas-Liquid Mass Transfer and the Dispersion of Floating Solids

81, 581-587(2003)

F.Gentile, H.Oleschko, P.Veverka, V.Machon, A.Paglianti, W.Bujarski, A.W.Etchells III and A.W.Nienow

Solid-Liquid Mass Transfer and Hydrodynamics in Hydrogenation of 4-Nitrobenzoic Acid

81, 588-596(2003)

Chemical Engineering & Technology

Flow Pattern and Mixing in the Multi-Turbine Agitated Bioreactor Filled with Poly(γ -Glutamic Acid) Solution

25, 345-352(2002)

J.H.Do, L.A.Shang, D.H.Kim and H.N.Chang

Derivation of Supersaturation and Nucleation Flux in a Stirred Tank From Tracer Concentration Measurements

26, 322-324(2003)

A.Fall, O.Lecoq and R.David

Performance of a New Mixed Down Pumping Impeller

26, 908-911(2003)

G.Ascanio, S.Foucauly and P.A.Tanguy

化学工学論文集

離散写像法に基づく反応・拡散を伴う流体混合計の計算モデル

29(1), 87-93(2003)

井上義朗、北條優美、平田雄志

降伏応力をもつ粒子分散流体の攪拌流動領域境界の電気化学的測定

29(2), 305-308(2003)

長舟誉也・小島 英・三枝奈都記・平田雄志

攪拌槽内流動のマクロ不安定性に関する周波数成分の解析

29(3), 327-332(2003)

松田充夫、多田豊、平岡節郎、銭紹祥、竹田宏、石田敬二、毛利之彦

低周波振動板を備えた新規な攪拌装置の乱流域のフローパターンと層流域の混合

29(5), 596-600 (2003)

加藤慎人、平岡節郎、多田豊、松浦章裕、福本尚吾、大政龍晋、李泳世、高承台

固液攪拌槽における粒子とインペラーおよび槽壁との衝突頻度

29(5), 685-691(2003)

深谷実央、大河原真一、小川浩平