

**Cited References: 32***(from Web of Science Core Collection)***From:** Virtual prototyping in the design process of optimized mould gating system for high pressure die cas ...[More](#)Page of 2 Select Page Save to EndNote online Add to Marked List[Find Related Records >](#)

1. **Short shots and industrial case studies: Understanding fluid flow and solidification in high pressure die casting** **Times Cited: 11**
(from Web of Science Core Collection)
 By: Cleary, Paul W.; Ha, Joseph; Prakash, Mahesh; et al.
[APPLIED MATHEMATICAL MODELLING](#) Volume: 34 Issue: 8 Pages: 2018-2033 Published: AUG 2010
2. **3D SPH flow predictions and validation for high pressure die casting of automotive components** **Times Cited: 51**
(from Web of Science Core Collection)
 By: Cleary, P. W.; Ha, J.; Prakash, M.; et al.
[APPLIED MATHEMATICAL MODELLING](#) Volume: 30 Issue: 11 Pages: 1406-1427 Published: NOV 2006
3. **Flow modelling in casting processes** **Times Cited: 68**
(from Web of Science Core Collection)
 By: Cleary, P.; Ha, J.; Alguine, V.; et al.
[APPLIED MATHEMATICAL MODELLING](#) Volume: 26 Issue: 2 Special Issue: SI Pages: 171-190 Article Number: PII S0307-904X(01)00054-3 Published: FEB 2002
4. **Advanced casting technologies for lightweight automotive applications** **Times Cited: 7**
(from Web of Science Core Collection)
 By: Luo, Alan A.; Sachdev, Anil K.; Powell, Bob R.
[CHINA FOUNDRY](#) Volume: 7 Issue: 4 Pages: 463-469 Published: NOV 2010
5. **Through-process numerical simulations of the structural behaviour of Al-Si die-castings** **Times Cited: 16**
(from Web of Science Core Collection)
 By: Dorum, Cato; Laukli, Hans I.; Hopperstad, Odd Sture
[COMPUTATIONAL MATERIALS SCIENCE](#) Volume: 46 Issue: 1 Pages: 100-111 Published: JUL 2009
6. **Optimal design of gating systems by gradient search methods** **Times Cited: 13**
(from Web of Science Core Collection)
 By: Esparza, CE; Guerrero-Mata, MP; Rios-Mercado, RZ
[COMPUTATIONAL MATERIALS SCIENCE](#) Volume: 36 Issue: 4 Pages: 457-467 Published: JUL 2006
7. **Computer simulation of two-dimensional linear-shaped charge jet using smoothed particle hydrodynamics** **Times Cited: 2**
(from Web of Science Core Collection)
 By: Gang, Yang; Xu, Han; Hu De'an
[ENGINEERING COMPUTATIONS](#) Volume: 28 Issue: 1-2 Pages: 58-75 Published: 2011
8. **Optimization of plastic injection molding process by dual response surface method with non-linear programming** **Times Cited: 4**
(from Web of Science Core Collection)
 By: Chen, Wu-Lin; Huang, Chin-Yin; Hung, Chi-Wei
[ENGINEERING COMPUTATIONS](#) Volume: 27 Issue: 7-8 Pages: 951-966 Published: 2010

9. **Accuracy, reliability and validity of finite element analysis in metal forming: a user's perspective** **Times Cited: 18**
By: Tekkaya, A. E.; Martins, P. A. F.
ENGINEERING COMPUTATIONS Volume: 26 Issue: 7-8 Pages: 1026-1055 Published: 2009
[View Abstract](#)
(from Web of Science Core Collection)
10. **Simplified three-dimensional simulation of non-isothermal filling in metal injection moulding by the finite element method** **Times Cited: 4**
By: Mori, K; Osakada, K; Takaoka, S
ENGINEERING COMPUTATIONS Volume: 13 Issue: 2-4 Pages: 111-& Published: 1996
[View Abstract](#)
(from Web of Science Core Collection)
11. **Design sensitivity and finite element analysis of free surface flows with application to optimal design of casting rigging systems** **Times Cited: 8**
By: McDavid, RM; Dantzig, JA
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS Volume: 28 Issue: 3 Pages: 419-442
Published: SEP 15 1998
[View Abstract](#)
(from Web of Science Core Collection)
12. **Design of the runner and gating system parameters for a multi-cavity injection mould using FEM and neural network** **Times Cited: 13**
By: Lee, KS; Lin, JC
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY Volume: 27 Issue: 11-12 Pages: 1089-1096 Published: FEB 2006
[Full Text from Publisher](#) [View Abstract](#)
(from Web of Science Core Collection)
13. **SIMULATING FREE-SURFACE FLOWS WITH SPH** **Times Cited: 948**
By: MONAGHAN, JJ
JOURNAL OF COMPUTATIONAL PHYSICS Volume: 110 Issue: 2 Pages: 399-406 Published: FEB 1994
[Full Text from Publisher](#) [View Abstract](#)
(from Web of Science Core Collection)
14. **Integrated optimization system for high pressure die casting processes** **Times Cited: 17**
By: Kong, L. X.; She, F. H.; Gao, W. M.; et al.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY Volume: 201 Issue: 1-3 Pages: 629-634 Published: MAY 26 2008
[View Abstract](#)
(from Web of Science Core Collection)
15. **Effect of melt cleanliness on the formation of porosity defects in automotive aluminium high pressure die castings** **Times Cited: 10**
By: Tian, C; Law, J; van der Touw, J; et al.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY Volume: 122 Issue: 1 Pages: 82-93 Article Number: PII S0926-0136(01)01229-8 Published: MAR 5 2002
[View Abstract](#)
(from Web of Science Core Collection)
16. **Design and optimisation of runner and gating systems for the die casting of thin-walled magnesium telecommunication parts through numerical simulation** **Times Cited: 40**
By: Hu, BH; Tong, KK; Niu, XP; et al.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY Volume: 105 Issue: 1-2 Pages: 128-133 Published: SEP 7 2000
[View Abstract](#)
(from Web of Science Core Collection)
17. **Smooth particle hydrodynamics: status and future potential** **Times Cited: 73**
By: Cleary, Paul W.; Prakash, Mahesh; Ha, Joseph; et al.
PROGRESS IN COMPUTATIONAL FLUID DYNAMICS Volume: 7 Issue: 2-4 Pages: 70-90 Published: 2007
[View Abstract](#)
(from Web of Science Core Collection)
18. **Design information revealed by CAE simulation for casting product development** **Times Cited: 1**
By: Fu, M. W.
Edited by: Yan, XT; Ion, WJ; Eynard, B
GLOBAL DESIGN TO GAIN A COMPETITIVE EDGE: AN HOLISTIC AND COLLABORATIVE DESIGN APPROACH BASED ON COMPUTATIONAL TOOLS Pages: 323-332 Published: 2008
(from Web of Science Core Collection)
19. **A HYDRAULICS-BASED OPTIMIZATION METHODOLOGY FOR GATING DESIGN** **Times Cited: 9**
By: BRADLEY, FJ; HEINEMANN, S; HOOPES, JA
(from Web of Science Core Collection)

APPLIED MATHEMATICAL MODELLING Volume: 17 Issue: 8 Pages: 406-414 Published: AUG 1993

Collection)

[Full Text from Publisher](#)[View Abstract](#)

20. **Analysis of liquid metal flow in die casting**
By: Barone, MR; Caulk, DA
[INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE](#) Volume: 38 Issue: 12 Pages: 1279-1302 Published: AUG 2000
[Full Text from Publisher](#) [View Abstract](#)
Times Cited: 14
(from Web of Science Core Collection)
21. Title: [not available]
By: Campbell, J.
Castings Published: 2003
Publisher: Butterworth Heinemann
Times Cited: 303
(from Web of Science Core Collection)
22. **Proposal of a Classification of Defects of High-Pressure Diecast Products**
By: Gariboldi, E.; Bonollo, F.; Rosso, M.
La Metallurgia Italiana Volume: 99 Pages: 39 Published: 2007
Times Cited: 4
(from Web of Science Core Collection)
23. **High pressure casting processes with liquid melts**
By: Kaufmann, H.; Uggowitz, P.J.
Metallurgy and Processing of High Integrity Light Metal Pressure Castings Pages: 17-62 Published: 2007
Publisher: Fachverlag Schiele & Schoen GmbH, Berlin, DE
Times Cited: 1
(from Web of Science Core Collection)
24. **Die casting mold design of the thin-walled aluminum case by computational solidification simulation**
By: Kim, Young-Chan; Kang, Chang-Seog; Cho, Jae-Ik; et al.
[JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY](#) Volume: 24 Issue: 3 Pages: 383-388 Published: MAY 2008
[View Abstract](#)
Times Cited: 7
(from Web of Science Core Collection)
25. **What is a good gating system? Or quantifying quality - but how?**
By: Kokot, V.; Bernbeck, P.
P 20 MCWASP C MIN ME Pages: 119-126 Published: 2006
Times Cited: 1
(from Web of Science Core Collection)
26. **Experimental and numerical investigation of mold filling**
By: McDavid, R.M.; Dantzig, J.A.
MODELING CASTING WEL Pages: 59-66 Published: 1998
Times Cited: 3
(from Web of Science Core Collection)
27. Title: [not available]
Group Author(s): NIST (National Institute of Standards and Technology)
FIPS Publication Volume: 183 Published: 1993
Publisher: National Institute of Standards and Technology, Gaithersburg, MD
Times Cited: 11
(from Web of Science Core Collection)
28. Title: [not available]
By: Pironneau, O; Mohammadi, B.
Applied Shape Optimization for Fluids Published: 2009
Publisher: Oxford Univ. Press, Oxford
Times Cited: 21
(from Web of Science Core Collection)
29. **Constitutive and Stochastic Models to Predict the Effect of Casting Defects on the Mechanical Properties of High Pressure Die Cast AISi9Cu3(Fe) Alloys**
By: Timelli, G.
Metallurgical Science and Technology Volume: 28 Issue: 2 Pages: 9-17 Published: 2010
Times Cited: 3
(from Web of Science Core Collection)
30. **Definition and review of virtual prototyping**
By: Wang, G.G.
Journal of Computing and Information Science in Engineering (Transactions of the ASME) Volume: 2 Issue: 3 Pages: 232-236 Published: 2002
Times Cited: 58
(from Web of Science Core Collection)

 Select Page[Save to EndNote online](#)[Add to Marked List](#)

