

## Web of Science



Search Search Results

Tools Searches and alerts Search History Marked List

**Cited References: 37***(from Web of Science Core Collection)*

From: Non-conventional mold design for metal casting using 3D sand-printing ...More

◀ 1 of 2 ▶

 Select Page

5K

Save to EndNote online

Add to Marked List

[Find Related Records >](#)

1. **EFFECT OF VORTEX RUNNER GATING SYSTEM ON THE MECHANICAL STRENGTH OF Al-12Si ALLOY CASTINGS** **Times Cited: 4**  
*(from Web of Science Core Collection)*  
 By: Ahmad, R.; Hashim, M. Y.  
[ARCHIVES OF METALLURGY AND MATERIALS](#) Volume: 56 Issue: 4 Pages: 991-997 Published: 2011  
Free Full Text from Publisher View Abstract ▼
2. **QUANTIFYING THE ROLE OF PART DESIGN COMPLEXITY IN USING 3D SAND PRINTING FOR MOLDS AND CORES** **Times Cited: 10**  
*(from Web of Science Core Collection)*  
 By: Almaghariz, Eyad S.; Conner, Brett P.; Lenner, Lukas; et al.  
[INTERNATIONAL JOURNAL OF METALCASTING](#) Volume: 10 Issue: 3 Pages: 240-252 Published: JUL 2016  
Free Full Text from Publisher View Abstract ▼
3. **Standard terminology for additive manufacturing-general principles-terminology** **Times Cited: 1**  
*(from Web of Science Core Collection)*  
 Group Author(s): ASTM  
 ISO ASTM52900-15 Published: 2015  
 Publisher: ASTM International, West Conshohocken, PA
4. Title: [not available] **Times Cited: 3**  
*(from Web of Science Core Collection)*  
 By: Barkhudarov, MR; Hirt, CW.  
 Casting simulation: mold filling and solidification-benchmark calculations using flow-3D Pages: 935-46 Published: 1995  
 Publisher: MCWASP VII, London
5. **Effect of oxide bifilms on the mechanical properties of cast Al-7Si-0.3Mg alloy and the roll of runner height after filter on their formation** **Times Cited: 23**  
*(from Web of Science Core Collection)*  
 By: Bozchaloei, Ghasem Eisaabadi; Varahram, Naser; Davami, Parviz; et al.  
[MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING](#) Volume: 548 Pages: 99-105 Published: JUN 30 2012  
Full Text from Publisher View Abstract ▼
6. Title: [not available] **Times Cited: 369**  
*(from Web of Science Core Collection)*  
 By: CAMPBELL, J.  
 Castings Published: 2003  
 Publisher: Butterworth-Heinemann
7. Title: [not available] **Times Cited: 1**  
*(from Web of Science Core Collection)*  
 By: Campbell, John.  
 COMPLETE CASTING HDB Published: 2015  
 Publisher: Butterworth-Heinemann

8. **Oxide inclusion defects in Al-Si-Mg cast alloys** **Times Cited: 12**  
(from Web of Science Core Collection)  
By: Cao, X; Campbell, J  
CANADIAN METALLURGICAL QUARTERLY Volume: 44 Issue: 4 Pages: 435-447 Published: OCT 2005  
[Full Text from Publisher](#) [View Abstract ▼](#)
9. **Obtaining desired surface roughness of castings produced using ZCast direct metal casting process through Taguchi's experimental approach** **Times Cited: 7**  
(from Web of Science Core Collection)  
By: Chhabra, Munish; Singh, Rupinder  
RAPID PROTOTYPING JOURNAL Volume: 18 Issue: 6 Pages: 458-471 Published: 2012  
[Full Text from Publisher](#) [View Abstract ▼](#)
10. **Effects of runner system design on the mechanical strength of Al-7Si-Mg alloy castings** **Times Cited: 65**  
(from Web of Science Core Collection)  
By: Dai, X; Yang, X; Campbell, J; et al.  
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING Volume: 354 Issue: 1-2 Pages: 315-325 Published: AUG 15 2003  
[Full Text from Publisher](#) [View Abstract ▼](#)
11. **The Mechanism of Bubble Damage in Castings** **Times Cited: 1**  
(from Web of Science Core Collection)  
By: Divandari, M; Campbell, J.  
MECH BUBBLE DAMAGE C Pages: 49-64 Published: January 2017 1999
12. **Optimal design of gating systems by gradient search methods** **Times Cited: 19**  
(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  
[Full Text from Publisher](#) [View Abstract ▼](#)
13. **A multiple-gate runner system for gravity casting** **Times Cited: 20**  
(from Web of Science Core Collection)  
By: Hsu, Fu-Yuan; Jolly, Mark R.; Campbell, John  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY Volume: 209 Issue: 17 Pages: 5736-5750 Published: AUG 12 2009  
[Full Text from Publisher](#) [View Abstract ▼](#)
14. **Vortex-gate design for gravity casting** **Times Cited: 8**  
(from Web of Science Core Collection)  
By: Hsu, FY; Jolly, MR; Campbell, J  
INTERNATIONAL JOURNAL OF CAST METALS RESEARCH Volume: 19 Issue: 1 Pages: 38-44 Published: 2006  
[Full Text from Publisher](#) [View Abstract ▼](#)
15. **Mold Design Optimization for Sand Casting of Complex Geometries Using Advance Simulation Tools** **Times Cited: 8**  
(from Web of Science Core Collection)  
By: Iqbal, Hassan; Sheikh, Anwar K.; Al-Yousef, AbdulHadi; et al.  
MATERIALS AND MANUFACTURING PROCESSES Volume: 27 Issue: 7 Pages: 775-785 Published: 2012  
[Full Text from Publisher](#) [View Abstract ▼](#)
16. Title: [not available] **Times Cited: 9**  
(from Web of Science Core Collection)  
By: Jain, PL.  
Principles of foundry technology Published: 2003  
Publisher: Tata McGraw-Hill Education
17. **Numerical simulation of metal flow and solidification in the multi-cavity casting moulds of automotive components** **Times Cited: 35**  
(from Web of Science Core Collection)  
By: Kermanpur, A.; Mahmoudi, Sh.; Hajipour, A.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY Volume: 206 Issue: 1-3 Pages: 62-68 Published: SEP 12 2008  
[View Abstract ▼](#)
18. Title: [not available] **Times Cited: 6**

- By: Lampman, S.  
Casting design and performance Published: 2009  
Publisher: ASM International  
*(from Web of Science Core Collection)*
19. **Rapid investment casting: direct and indirect approaches via fused deposition modelling**  
By: Lee, CW; Chua, CK; Cheah, CM; et al.  
[INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY](#) Volume: 23 Issue: 1-2 Pages: 93-101  
Published: JAN 2004  
[Full Text from Publisher](#) [View Abstract](#) ▼  
**Times Cited: 69**  
*(from Web of Science Core Collection)*
20. **Modest growth in worldwide casting Market**  
Group Author(s): MCDP Staff Report  
Met Cast Des Purch Pages: 25-7 Published: 2016  
**Times Cited: 1**  
*(from Web of Science Core Collection)*
21. **Indirect additive manufacturing based casting of a periodic 3D cellular metal - Flow simulation of molten aluminum alloy**  
By: Mun, Jiwon; Yun, Byoung-Gwan; Ju, Jaehyung; et al.  
[JOURNAL OF MANUFACTURING PROCESSES](#) Volume: 17 Pages: 28-40 Published: JAN 2015  
[Full Text from Publisher](#) [View Abstract](#) ▼  
**Times Cited: 14**  
*(from Web of Science Core Collection)*
22. **Optimization of Riser size of Aluminium alloy (L) castings by using conventional method and computer simulation technique**  
By: Nandi, T; Behera, R; Kayal, S; et al.  
Int J Sc Eng Res Volume: 2 Issue: 11 Published: 2011  
[\[Show additional data\]](#)  
**Times Cited: 1**  
*(from Web of Science Core Collection)*
23. **Effect of mold-filling turbulence on fatigue properties of cast aluminum alloys**  
By: Nyahumwa, C; Green, NR; Campbell, J  
TRANSACTIONS OF THE AMERICAN FOUNDRYMEN'S SOCIETY, VOL 106 Book Series: TRANSACTIONS OF THE AMERICAN FOUNDRYMEN'S SOCIETY Volume: 106 Pages: 215-223 Published: 1998  
**Times Cited: 51**  
*(from Web of Science Core Collection)*
24. **Metal casting: principles and practice**  
By: Rao, TV Ramana.  
New Age Int Published: 2007  
**Times Cited: 1**  
*(from Web of Science Core Collection)*
25. **Critical gate velocity for film- forming casting alloys: A basis for process specification**  
By: Runyoro, J.; boutorabi, S.M.A.; Campbell, J.  
AFS Trans. Volume: 100 Pages: 225-234 Published: 1992  
**Times Cited: 61**  
*(from Web of Science Core Collection)*
26. **Optimization of Al casting productivity using foam filter technology and application**  
By: Sandford, P; Sibley, SR.  
Trans Am Foundry Soc Pages: 1063-8 Published: 1996  
**Times Cited: 2**  
*(from Web of Science Core Collection)*
27. **Naval Additive Manufacturing: Improving Rapid Response to the Warfighter**  
By: Scheck, Caroline E.; Wolk, Jennifer N.; Frazier, William E.; et al.  
[NAVAL ENGINEERS JOURNAL](#) Volume: 128 Issue: 1 Pages: 71-75 Published: MAR 2016  
[View Abstract](#) ▼  
**Times Cited: 5**  
*(from Web of Science Core Collection)*
28. **The fourth industrial revolution**  
By: Schwab, Klaus.  
Crown Bus Published: 2017  
**Times Cited: 1**  
*(from Web of Science Core Collection)*

- 29. **Benchmark testing the flow and solidification modeling of Al castings - Overview** **Times Cited: 16**  
*(from Web of Science Core Collection)*  
By: Sirrell, B; Holliday, M; Campbell, J  
**JOM-JOURNAL OF THE MINERALS METALS & MATERIALS SOCIETY** Volume: 48 Issue: 3 Pages: 20-23 Published: MAR 1996  
Full Text from Publisher View Abstract ▼
- 30. **A comparison of binder burnout and mechanical characteristics of printed and chemically bonded sand molds** **Times Cited: 4**  
*(from Web of Science Core Collection)*  
By: Snelling, D.; Williams, C.B.; Druschitz, A.P.  
SFF S AUST TX Pages: 197-209 Published: 2014  
Table 1

Select Page



5K

Save to EndNote online ▼

Add to Marked List

◀ 1 of 2 ▶

**Clarivate**

Accelerating innovation

© 2018 Clarivate

[Copyright notice](#)

[Terms of use](#)

[Privacy statement](#)

[Cookie policy](#)

Sign up for the Web of Science newsletter

Follow us

