

إستمارة بيانات

الإسم: محمود إبراهيم نصر

الإسم باللغة الإنجليزية: Mahmoud Ibrahim Nasr

تاريخ الميلاد: ١٩٥٠/١٢/٨

السن في أول أكتوبر: يوم شهر سنة

٢٣ ٩ ٦٣

الوظيفة الحالية: أستاذ متفرغ

وظائف قيادية: - رئيس مركز بحوث وتطوير الفلزات ٢٠٠٥-٢٠١٠

- نائب رئيس مركز بحوث وتطوير الفلزات ٢٠٠٢-٢٠٠٥

- رئيس شعبة استخلاص الفلزات ١٩٩٨-٢٠٠٢

النشر العلمي خلال السنوات الثلاث الأخيرة:

١- “Developed model for reduction mechanism of iron ore pellets under load”

K. S. Abdel-Halim, **M. I. Nasr** and A. A. El-Geassy
Ironmaking and Steelmaking, Vol. 38, No. 3, 2011, 189-196.

٢- “Behaviour of wustite prepared from Baharia iron ore sinter during reduction with CO-CO₂-N₂ gas mixture”

M. Bahgat, K.S. Abdel Halim, H.A. El-Kelesh and **M.I. Nasr**
Mineral Processing and Extractive Metallurgy (Trans. Inst. Min. Metall. C),
Vol. 120, No. 2, 2011, 101-110.

٣- “Blast furnace operating conditions manipulation for reducing coke consumption and CO₂ emission”

M. Bahgat, K. S. Abdel Halim, H. A. El-Kelesh and **M. I. Nasr**
Steel Research International, Volume 83, Issue 7, July 2012, 686–694.

٤- “Effect of natural gas injection on reducibility of wustite prepared from Baharia iron ore sinter”

M. Bahgat, K. S. Abdel Halim, H. A. El-Kelesh and **M. I. Nasr**
Journal of Metallurgical Engineering, Vol. 1, Issue 1, April 2012, 14-22.

ο- “Controlling the microstructure and magnetic properties of Mn-Zn ferrites nanopowders synthesized by co-precipitation method”

M. M. Rashad and **M. I. Nasr**

Electronic Materials Letters, 8 (3), 2012, 325-329.

ϕ- “Induction heating studies of magnetite nanospheres synthesized at room temperature for magnetic hyperthermia”

M. M. Rashad, H. M. ElSayed, M. Rasly and **M. I. Nasr**

Journal of Magnetism and Magnetic Materials, 324 (23), 2012, 4019-4023.

ϒ- “Synthesis and characterization of nanostructured materials for removal of exhaust gas”

K.S.Abdel Halim, M.H.Khedr, A.A.Farghali, **M.I.Nasr** and N.K.Soliman

Frontiers in Electronic Materials Conference, 642-644, 17-20 June 2012,

Aachen, Germany.

⊖- “Fundamental study on water-gas shift reaction in ironmaking process”

M. Bahgat, K. S. Abdel Halim, H. A. El-Kelesh and **M. I. Nasr**

Journal of Metallurgical Engineering, Vol. 1, Issue 3, 2012, online: 2012-10-15.

ϑ- “Enhancement of wustite reducibility in blast furnace: reaction kinetics and morphological changes”

M. Bahgat, K. S. Abdel Halim, H. A. El-Kelesh and **M. I. Nasr**

Ironmaking and Steelmaking, Vol.39, No.5, 327-335, 2012.

10- “Effect of Cr and nano-inoculant alloying on the properties of steel”

Eslam Abdel Aziz, Ahmed Hefnawy, Rafik Elady, **M.I. Nasr** and Taha

Mattar;

Arabcast2012, Sharm Elshaikh, Egypt, 16-19 November 2012.

11- “Enhancement of corrosion behaviour of steel via Cr and nano-inoculant alloying”

Eslam Abdel Aziz, Ahmed Hefnawy, Rafik Elady, **M.I. Nasr** and Taha

Mattar;

2nd International Conference on Corrosion and Mitigation, 10-13 December 2012, Hurghada, Egypt.

Citations: 365

h-index: 11

12- "Preparation of nano-magnetite whiskers, rods and needles using ultrasonic bathing with co-precipitation technique"
Ahmed Hanafy, Shakinaz T. El-Sheltawy, M.I.Nasr and Mervat Hassan
The 29th. International Conference on Solid Waste Technology and Management, Philadelphia, USA, March 30 –April 2, 2014.

أسماء المشروعات المشارك فيها خلال آخر ثلاث سنوات:

- 1- Pelletisation and recycling of fine coke at the sinter plant, Egyptian Iron and Steel Company, 2011(team member).
- 2- Maximum utilization of Egyptian glauconite "Green sand" for water purification, soil nutrition and oil bleaching, STDF, 2011(team member).
- 3- Upgrading of Egyptian ilmenite ores for titanium sponge production, STDF, 2011(team member).
- 4- Processing of tungsten heavy alloys to substitute imports, STDF, 2011(team member).
- 5- Reduction behavior of wustite by H₂/CO/CO₂/N₂ mixture at temperatures in the range 900-1100 °C, STDF, 2011(project consultant).
- 6- Processing of tungsten heavy alloys to substitute imports, STDF, 2011(team member).
- 7- Energy saving in high carbon ferromanganese alloy production, STDF, 2011(team member).
- 8- Production of MG-silicon from local quartz, STDF, 2014 (team member).
- 9- Bioactive nano-magnetic materials for hyperthermia treatment of cancer and for bone reconstruction scaffolds, STDF, 2013 (principal investigator).
- 10- Prefeasibility study for selecting the best alternative for ferroalloys production at the Egyptian Ferroalloys Company (EFACO), funded by EFACO, 2014(team member).
- 11- Production of primary magnesium from Egyptian dolomite ores, STDF, ongoing, (team member).