



TMS content update

TMS Journal Content Makes an Impact

Research published in TMS journals leaves an impression on the wider materials science and engineering communities, as indicated by the steadily rising Impact Factors (IFs) of the society's four longest-established journals. The 2014 Impact Factors were released by the Thomson Reuters ISI Web of Knowledge citation measurement index in June.

An Impact Factor represents the average number of citations to articles that were published during the preceding two years. It is based on the number of citations of a journal's materials divided by the number of citable materials published by that journal. The 2014 IF for TMS journals (with the 2013 IF in parentheses) are as follows:

- *Journal of Electronic Materials (JEM)*: 1.798 (1.675)
- *JOM*: 1.757 (1.401)
- *Metallurgical and Materials Transactions A (MMA)*: 1.73 (1.73)
- *Metallurgical and Materials Transactions B (MMTB)*: 1.461 (1.323)

While IF can vary from year to year for a variety of reasons, TMS journals have generally maintained an upward trajectory (Figure 1). This is strongly correlated with significant growth in the number of papers published (Figure 2) and corresponding growth in total citations (Table I). TMS journals also achieved strong placement in ranking by subject categories (Table II), as determined by their Impact Factors. Authors often refer to the IF and subject ranking of a journal as a guideline when seeking to maximize exposure of their work.

"These latest Impact Factors confirm that, in increasing numbers, authors have turned to TMS journals to publish their meaningful work and to cite papers of the highest quality in their field," said James J. Robinson, TMS Executive Director. "Each of our journals continues to be a source of pride for the society, and especially for the

authors who select them as the venue to showcase their latest research and finest work."

To access TMS's entire library of journals in one convenient location, visit the TMS Knowledge Resource Center at knowledge.tms.org.

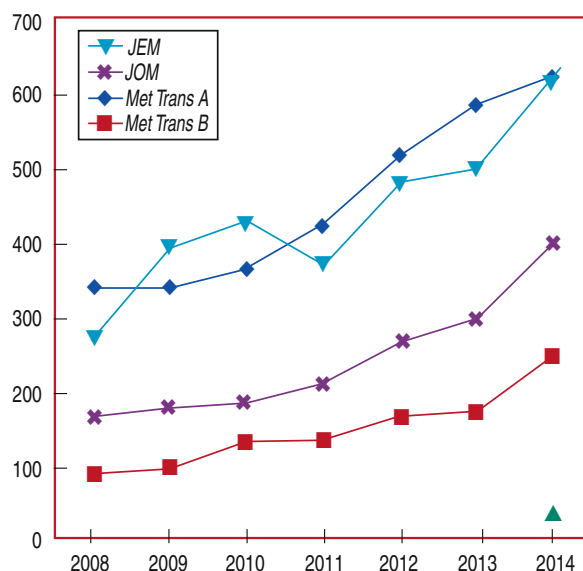


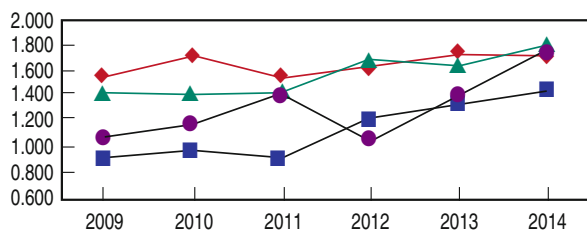
Figure 2. Number of papers published.

Table I: TMS Journal Article Citations

Journal	Total Citations 2014	Total Citations 2013	Total Citations 2012
<i>JEM</i>	7,438	6,636	6,143
<i>JOM</i>	3,894	3,263	2,723
<i>MMA</i>	19,262	17,131	15,337
<i>MMTB</i>	4,620	4,074	3,528

Table II: TMS Journal Rank by Subject Category

Category Name	Total Journals 2014	<i>JEM</i>	<i>JOM</i>	<i>MMA</i>	<i>MMTB</i>
Materials Science, Multidisciplinary	259	102	111	114	140
Metallurgy & Metallurgical Engineering	74	-	12	13	17
Mineralogy	28	-	14	-	-
Mining & Mineral Processing	20	-	3	-	-
Engineering, Electrical & Electronic	249	75	-	-	-
Physics, Applied	136	58	-	-	-



Journal	2009	2010	2011	2012	2013	2014
<i>JEM</i>	1.428	1.39	1.466	1.635	1.675	1.798
<i>JOM</i>	1.043	1.175	1.421	1.053	1.401	1.757
<i>MMA</i>	1.564	1.712	1.545	1.627	1.73	1.73
<i>MMTB</i>	0.932	0.963	0.903	1.212	1.323	1.461

Figure 1. TMS journal Impact Factor history.