

▶ 表 2. 論文中の術語の書き方例 ◀

- 1) 表題に用いる術語は不明りような省略語は用いない
 たとえば“……脱酸, 脱硫作用……”とし, “……脱O, 脱S……”は不可
 (表題例) 1. 不適當…転炉における脱Pについて
 適 当…スラグ塩基度と酸素吹錬条件による転炉の脱リン速度の変化について
 2. 不適當…ステンレス鋼の機械的性質
 適 当…18-8 ステンレス鋼の機械的性質におよぼす Nb, Ti および Mo の影響
- 2) 本文で最初に述べる術語は内容の十分理解できる親切な表現を用いること
 たとえば“……生じた hercynite ($\text{FeO} \cdot \text{Al}_2\text{O}_3$) は……”
 “平衡定数 K , GIBBS の自由エネルギー G は……”
 “マグネタイト (Fe_3O_4) を N_2 を含む CO で還元した結果, Fe_3O_4 は……”
- 3) 本文で繰り返し用いる場合は化学記号, その他のすでに認められた省略記述でよい
 たとえば溶鋼中成分は C , Mn で, スラグ中の成分は (Mn) などで表わす.
 (学振製鋼19委員会: 化学熱力学における慣用記号および呼称) (1960) [丸善]
 また, たとえば文中に「オーステナイト」の語が多数出てくるときは, その最初のところで「オーステナイト (γ)」として以下「 γ 」を用いてよい.
- 4) 日本語として慣用されている語 (たとえば, キルド鋼, インゴット, クリープ, スラグなど) はカナ書きとしてよい. ただし, 十分慣用されていない語は原語を書き添える.
 (たとえば, フォーミング (foaming), パージング (purging), フラッターリング (fluttering), スカルピング (scalping))
- 5) 省略的記述の例

18Ni-22Fe 合金	}	18-8 ステンレス鋼の場合は慣用によつて Cr, Ni 省略
Ni-Cr-Mo 鋼		
Ferro-Si-Zr		フェロアロイの場合を表わす
5% nital, picral など		化学記号表示の必要はない
JIS-SUS 31		AISI, DIN, En その他同様
Hb 100, Hrc 50		ブリネル, ロックウェルC硬さ
$\text{N}_{\text{acid}}^{\text{sol}}$		酸可溶窒素

▶ 表 3. 文 献 略 記 例 ◀

雑 誌 名	略 記	雑 誌 名	略 記
Acta Crystallographica	Acta Cryst	Preprint	Preprint
Acta Metallurgica	Acta Met	Review of Metal Literature	Review
Advancement of Science	Advancement Sci	American Society for Testing	ASTM
Advances in Physics	Advan. Phys.	Materials	
AICHE (American Institute of Chemical Engineering)	AICHE	Bulletin	Bulletin
Aluminium	Aluminium	Preprint	Preprint
American Ceramic Society Bulletin	Amer. Ceram. Soc. Bull.	Special Technical Publication	Special Publ.
American Foundrymen's Society, Preprint	Amer. Found. Soc. Preprint	Analyst	Analyst
American Institute of Mining, Metallurgical and Petroleum Engineers	AIME	Analytica Chimica Acta	Anal. Acta
Blast Furnace, Coke Oven & Raw Materials Committee, Proceedings	Blast Furn. Coke Oven & Raw Mat. Comm. Proc.	Analytical Chemistry	Anal. Chem.
Electric Furnace Steel Conference, Proceedings	Elect. Furn. Steel Conf. Proc.	Annalen der Physik	Ann. Physik
Proceedings National Open-Hearth Committee	Proc. Nat. O-H Comm.	Annales des Mines	Ann. Mines
Proceedings Symposia Series	Proc. Symposia Series	Anti Corrosion-Method and Materials	Anti Corros.
American Iron and Steel Institute	Amer. Iron Steel Inst.	Applied Scientific Research	Appl. Sci. Res.
Annual Statistical Report	Ann. Stat. Rep.	Archiv für das Eisenhüttenwesen	Arch. Eisenhüttenw.
Contributions to the Metallurgy of Steel	Contrib. Met. Steel	Atomics	Atomics
Steel Products Manual	Steel Prod. Man.	Australian Journal of Applied Science	Aus. J. Appl. Sci.
American Journal of Physics	Amer. J. Phys.	Australian Journal of Chemistry	Aus. J. Chem.
American Journal of Science	Amer. J. Sci.	Australian Journal of Physics	Aus. J. Phys.
American Mineralogist	Amer. Mineralogist	Automatic Welding, USSR	Auto. Weld. USSR.
American Society for Metals	ASM	Battelle Technical Review	Battelle Tech. Rev.
		Blast Furnace and Steel Plant	Blast Furn. Steel Pl.
		British Corrosion Journal	Brit. Corros. J.
		British Chemical Engineering	Brit. Chem. Eng.
		British Iron and Steel Research Association, Reports	Brit. Iron Steel Res. Assoc. Rep.
		British Journal of Applied physics	Brit. J. Appl. Phys.
		British Journal of Nondestructive	Brit. J. Nondestruct. Test.

雜誌名

略記

Testing	
British Standard Institution	Brit. Stand. Inst.
British Standards Handbook	B. S. Handb.
Specifications for Aircraft Materials	Specif. Aircraft Mat.
British Welding Journal	Brit. Weld. J.
Bulletin American Physical Society	Bull. Amer. Phys. Soc.
Bulletin Canadian Institute of Mining and Metallurgy	Bull. Can. Inst. Min. Met.
Canadian Journal of Chemistry	Can. J. Chem.
Canadian Journal of Physics	Can. J. Phys.
Canadian Journal of Technology	Can. J. Technol.
Chemical Engineering	Chem. Eng.
Chemical Engineering Science	Chem. Eng. Sci.
Canadian Mining and Metallurgical Bulletin	Can. Min. Met. Bull.
Comptes Rendus Hebdomadaires des Scances de l'Academie des Sciences	Compt. Rend.
Corrosion	Corrosion
Corrosion et Anti-Corrosion	Corros. Anti-Corros.
Corrosion Prevention and Control	Corros. Preven. Control
Corrosion Science	Corros. Sci.
Corrosion Technology	Corros. Technol.
Discussions of the Faraday Society	Disc. Farad. Soc.
Doklady Akademi Nauk S. S. S. R.	Dokl. Akad. Nauk SSSR
Electrical Journal	Elect. J.
Electrical Review	Elect. Rev.
Electrochemica Acta	Electrochemica Acta
Electronic Engineering	Electronic Eng.
Electroplating and Metal Finishing	Electroplating Metal Finishing
Engineering	Engineering
Engineering Fracture Mechanics	Engineering Fracture Mechanics
Fizika Metallov i Metallouedenie	Fizika Metal.
Foundry	Foundry
Foundry Trade Journal	Fndry. Trade J.
Fortschritte der Physik	Fortschritte Physik
Galvanotechnik	Galvanotechnik
Giesserei	Giesserei
Giessereitechnik	Giessereitechnik
Handbuch der Physik	Handb. Physik
Industrial Chemist	Indust. Chem.
Industrial Heating	Indust. Heat.
Industrial and Engineering Chemistry	Indust. Eng. Chem.
Industry Week	Indust. Week
International Journal	International J.
Iron Age	Iron Age
Iron and Steel	Iron Steel
Iron and Steel Engineer	Iron Steel Eng.
Iron and Steel Institute, Special Reports	Iron Steel Inst. Spec. Rep.
Iron and Steel International	Iron and Steel Intern.
Izvestiya Vysshikh Uchebnykh Zavedenii Chernaya Metallurgiya	Izv. VUZov, Cher. Met.
Izvestiya Akademii Nauk SSSR, Metallurgiya	Izv. Akad. Nauk SSSR, Metallurgiya
Jernkontorets Annaler	Jernkont. Ann.
Journal of the American Ceramic Society	J. Amer. Ceram. Soc.
Journal of the American Chemical Society	J. Amer. Chem. Soc.
Journal of the American Society of Naval Engineers	J. Amer. Soc. Nav. Eng.
Journal of the American Water Works Association	J. Amer. Waters Assoc.
Journal of Applied Chemistry	J. Appl. Chem.
Journal of Applied Mechanics	J. Appl. Mech.
Journal of Applied Physics	J. Appl. Phys.
Journal of The Australian Institute of Metals	J. Aus. Inst. Metals
Journal of Chemical Physics	J. Chem. Phys.
Journal of the Chemical Society	J. Chem. Soc.
Journal de Chimie Physique	J. Chim. Phys.

雜誌名

略記

Journal of Composite Materials	J. Compos. Mat.
Journal of the Electrochemical Society	J. Electrochem. Soc.
Journal of Electron Microscopy	J. Electron Microsc.
Journal of Franklin Institute	J. Franklin Inst.
Journal of the Institute of Fuel	J. Inst. Fucl
Journal of the Institute of Metals	J. Inst. Metals
Journal of the Institution of Electrical Engineers	J. Inst. Elect. Eng.
Journal of the Institution of Production Engineers	J. Inst. Prod. Eng.
Journal of the Iron and Steel Institute	JISI
Journal of the Less-Common Metals	J. Less-Common Metals
Journal of Materials	J. Mat.
Journal Materials Science	J. Mat. Sci.
Journal of Mechanical Laboratory	J. Mech. Lab.
Journal of the Mechanics and Physics of Solids	J. Mech. Phys. Solids
Journal of Metals	J. Metals
Journal of Nuclear Materials	J. Nucl. Mat.
Journal of the Physical Society of Japan	J. Phys. Soc. Japan
Journal of Physics	J. Phys.
Journal of the Physics and Chemistry of Solids	J. Phys. Chem. Solids
Journal de Physique et le Radium	J. Phys. Radium
Journal of Research of the National Bureau of Standards	J. Res. Nat. Bur. Stand
Journal of Scientific Instruments	J. Sci. Instrum.
Light Metals	Light Metals
Light Metals Age	Light Metals Age
33 Magazine	33 Mag.
Materialprüfung	Materialprüfung
Materials and Methods	Mat. Method.
Materials Engineering	Mat. Eng.
Materials Evaluation	Mat. Eval.
Materials Protection and Performance	Mat. Protect. Perform.
Materials Research & Standards	Mat. Res. Stand.
Mechanical Transactions	Mech. Trans.
Memoires Scientifique de la Revue de Metallurgie	Mem. Sci. Rev. Met.
Metal Age	Metal Age
Metal Bulletin	Metal Bull.
Metal Construction and British Welding Journal	Metal Const. and Brit. Weld. J.
Metal Finishing	Metal Finishing
Metal Finishing Journal	Metal Finishing J.
Metal Forming	Metal Form.
Metal Industry	Metal Ind.
Metal & Materials and Metallurgical Reviews	Metal Mat. Met. Rev.
Metal Progress	Metal Prog.
Metal Science Journal	Metal Sci. J.
Metal Treating	Metal Treatg.
Metal Treatment and Drop Forging	Metal Treat. Drop Forg.
Metall	Metall
Metalloberfläche	Metalloberfläche
Metallurg	Metallurg
Metallurgia	Metallurgia
Metallurgia Italiana	Metallurgia Ital.
Metallurgia and Metal Forming	Met. and Metal Form.
Metallurgical Reports C.N.R.M.	Met. Rep. CNRM
Metallurgical Review	Metallurgical Rev.
Metallurgical Transactions	Met. Trans.
Metals Review	Metals Rev.
Mitteilungen aus dem Max-Planck Institut für Eisenforschung	Mitt. Max-Planck Inst. Eisenforsch.
Modern Casting	Modern Cast.
Modern Metals	Modern Metals
Nature	Nature
Naturwissenschaften	Naturwissenschaften
Neue Hütte	Neue Hütte
Non-Destructive Testing	Non-Destruct. Test.
Oil and Gas Journal	Oil Gas J.

雜誌名	略記	雜誌名	略記
Oxidation of Metals	Oxid. Metals	Transactions of the American Society of Mechanical Engineers	Trans. ASME
Philosophical Magazine	Phil. Mag.	Transactions of the American Society for Metals	Trans. ASM
Philosophical Transaction of the Royal Society	Phil. Trans. Roy. Soc.	Transactions of the Australian Institute of Metals	Trans. Aus. Inst. Metals
Physica	Physica	Transactions of the British Ceramic Society	Trans. Brit. Ceram. Soc.
Physical Review	Phys. Rev.	Transactions of the Canadian Institute of Mining and Metallurgy	Trans. Can. Inst. Min. Met.
Physica Status Solidi	Phys. Stat. Solid.	Transactions of the Electrochemical Society	Trans. Electrochem. Soc.
Physics of Metals and Metallography	Phys. Metals Metallog.	Transactions of the Faraday Society	Trans. Faraday Soc.
Plating	Plating	Transactions of the Institute of Metal Finishing	Trans. Inst. Metal Finishing
Powder Metallurgy	Powder Met.	Transactions of the Institution of Chemical Engineers	Trans. Inst. Chem. Eng.
Proceedings of the American Society for Testing and Materials	Proc. ASTM	Transactions of Institution of Mining and Metallurgy	Trans. Inst. Min. Met.
Proceedings, Australasian Institute of Mining and Metallurgy	Proc. Aus. Inst. Min. Met.	Transactions of the Iron and Steel Institute of Japan	Trans. ISIJ
Proceedings of the Institution of Electrical Engineers	Proc. Inst. Elect. Eng.	Transactions of the Japan Institute of Metals	Trans. JIM
Proceedings, Institution of Mechanical Engineers	Proc. Inst. Mech. Eng.	Transactions of the Metallurgical Society of AIME	Trans. Met. Soc. AIME
Proceedings of the Japan Academy	Proc. Japan Acad.	Transactions of the Royal Society of Canada	Trans. Roy. Soc. Can.
Proceedings, Metal Powder Association	Proc. Metal Powder Assoc.	United States Bureau of Mines Bulletin	U. S. Bur. Mines Bull.
Proceedings of the Physical Society	Proc. Phys. Soc.	Information Circular	Inf. Circ.
Proceedings of the Royal Canadian Institute	Proc. Roy. Can. Inst.	Mineral Industry Survey	Min. Indust.
Proceedings of the Royal Institution of Great Britain	Proc. Roy. Inst.	Minerals Yearbook	Min. Yearbook
Proceedings of the Royal Society	Proc. Roy. Soc.	Reports of Investigations	Rep. Invest.
Proceedings of the Society of Experimental Stress Analysis	Proc. Soc. Exper. Stress Anal	Verein Deutscher Ingenieure Zeitschrift	VDI-Zschft
Product Finishing	Product Finishing	Wear	Wear
Review of Scientific Instruments	Rev. Sci. Inst.	Welding Journal	Welding J.
Reviews of Modern Physics	Rev. Mod. Phys.	Welding and Metal Fabrication	Weld. Metal Fab.
Revue de l'Aluminium	Rev. Aluminium	Welding Production, USSR	Weld. Prod. USSR
Revue de Métallurgie	Rev. Mét.	Werkstoffe und Korrosion	Werkstoffe Korrosion
S. A. E. Journal	S. A. E. J	Wire and Wire Products	Wire and Wire Products
Scandinavian Journal of Metallurgy	Scand. J Met.	Yearbook of the American Iron and Steel Institute	Yearbook Amer. Iron Steel Inst
Science Abstracts	Sci. Abs.	Yearly Proceedings of the Association of Iron and Steel Engineers	Yearly Proc. Assoc. Iron Steel Eng.
Scripta Metallurgica	Script. Met.	Zeitschrift für Elektrochemie	Z. Elektrochem.
Sheet Metal Industries	Sheet Metal Ind.	Zeitschrift für Erzbergbau und Metallhüttenwesen	Z. Erz. Met.
Solid State Physics	Solid St. Phys.	Zeitschrift für Metallkunde	Z. Metallk.
Surface Science	Surface Science	Zeitschrift für Physik	Z. Phys.
Stahl und Eisen	Stahl u. Eisen	Zeitschrift für Physikalische Chemie	Z. Phys. Chem.
Stal'	Stal'	Zeitschrift für Wissenschaftliche Mikroskopie und für Mikroskopische Technik	Z. Wiss. Mikrosk.
Stal in English	Stal in Eng.	Zhurnal Fizicheskoi Khimii	Zhur. Fiz. Khim.
Steel	Steel	Zhurnal Tekhnicheskoi Fiziki	Zhur. Tekn. Fiz.
Steel in the USSR	Steel in USSR		
Steel Processing	Steel Processing		
Steel Review	Steel Rev		
Steel Times	Steel Times		
Transactions of the American Foundrymen's Society	Trans. Amer. Found. Soc.		
Transactions of the American Institute of Electrical Engineers	Trans. Amer. Inst. Elect. Eng.		
Transactions of the American Institute of Mining, Metallurgical and Petroleum Engineers	Trans. AIME		