

▶ 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) 本文中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

Ni-Cr-Mo 鋼

Ferro-Si-Zr

5% nital, picral など

JIS-SUS 31

HB 100, HRC 50

$\text{Na}_{\text{acid}}^{\text{sol}}$

} 18-8 ステンレス鋼の場合は慣用によつて Cr, Ni 省略

フェロアロイの場合を表わす

化学記号表示の必要はない

AISI, DIN, En その他同様

プリネル, ロックウェルC硬さ

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 Annual Statistical Report	Amer. Iron Steel Inst. Ann. Stat. Rep.	Applied Scientific Research	Appl. Sci. Res.
Contributions to the Metallurgy of Steel	Contrib. Met. Steel	Archiv für das Eisenhüttenwesen	Arch. Eisenhüttenw.
Steel Products Manual	Steel Prod. Man.	Atomics	Atomics
American Journal of Physics	Amer. J. Phys.	Australian Journal of Applied Science	Aus. J. Appl. Sci.
American Journal of Science	Amer. J. Sci.	Australian Journal of Chemistry	Aus. J. Chem.
American Mineralogist	Amer. Mineralogist	Australian Journal of Physics	Aus. J. Phys.
American Society for Metals	ASM	Automatic Welding, USSR	Auto. Weld. USSR.
		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	雜誌名	略記
Testing		Journal of Composite Materials	J. Compos. Mat.
British Standard Institution	Brit. Stand. Inst.	Journal of the Electrochemical Society	J. Electrochem. Soc.
British Standards Handbook	B. S. Handb.	Journal of Electron Microscopy	J. Electron Microsc.
Specifications for Aircraft Materials	Specif. Aircraft Mat.	Journal of Franklin Institute	J. Franklin Inst.
British Welding Journal	Brit. Weld. J.	Journal of the Institute of Fuel	J. Inst. Fuel
Bulletin American Physical Society	Bull. Amer. Phys. Soc.	Journal of the Institute of Metals	J. Inst. Metals
Bulletin Canadian Institute of Mining and Metallurgy	Bull. Can. Inst. Min. Met.	Journal of the Institution of Electrical Engineers	J. Inst. Elect. Eng.
Canadian Journal of Chemistry	Can. J. Chem.	Journal of the Institution of Production Engineers	J. Inst. Prod. Eng.
Canadian Journal of Physics	Can. J. Phys.	Journal of the Iron and Steel Institute	JISI
Canadian Journal of Technology	Can. J. Technol.	Journal of the Less-Common Metals	J. Less-Common Metals
Chemical Engineering	Chem. Eng.	Journal of Materials	J. Mat.
Chemical Engineering Science	Chem. Eng. Sci.	Journal Materials Science	J. Mat. Sci.
Canadian Mining and Metallurgical Bulletin	Can. Min. Met. Bull.	Journal of Mechanical Laboratory	J. Mech. Lab.
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences	Compt. Rend.	Journal of the Mechanics and Physics of Solids	J. Mech. Phys. Solids
Corrosion	Corrosion	Journal of Metals	J. Metals
Corrosion et Anti-Corrosion	Corros. Anti-Corros.	Journal of Nuclear Materials	J. Nucl. Mat.
Corrosion Prevention and Control	Corros. Preven. Control	Journal of the Physical Society of Japan	J. Phys. Soc. Japan
Corrosion Science	Corros. Sci.	Journal of Physics	J. Phys.
Corrosion Technology	Corros. Technol.	Journal of the Physics and Chemistry of Solids	J. Phys. Chem. Solids
Discussions of the Faraday Society	Disc. Farad. Soc.	Journal de Physique et le Radium	J. Phys. Radium
Doklady Akademi Nauk S. S. R.	Dokl. Akad. Nauk SSSR	Journal of Research of the National Bureau of Standards	J. Res. Nat. Bur. Stand.
Electrical Journal	Elect. J.	Journal of Scientific Instruments	J. Sci. Instrum.
Electrical Review	Elect. Rev.	Light Metals	Light Metals
Electrochemica Acta	Electrochemica Acta	Light Metals Age	Light Metals Age
Electronic Engineering	Electronic Eng.	33 Magazine	33 Mag.
Electroplating and Metal Finishing	Electroplating Metal Finishing	Materialprüfung	Materialprüfung
Engineering	Engineering	Materials and Methods	Mat. Method.
Engineering Fracture Mechanics	Engineering Fracture Mechanics	Materials Engineering	Mat. Eng.
Fizika Metallov i Metallouedenic	Fizika Metal.	Materials Evaluation	Mat. Eval.
Foundry	Foundry	Materials Protection and Performance	Mat. Protect. Perform.
Foundry Trade Journal	Fndry. Trade J.	Materials Research & Standards	Mat. Res. Stand.
Fortschritte der Physik	Fortschritte Physik	Mechanical Transactions	Mech. Trans.
Galvanotechnik	Galvanotechnik	Memoires Scientifique de la Revue de Metallurgie	Mem. Sci. Rev. Met.
Giesserei	Giesserei	Metal Age	Metal Age
Giessereitechnik	Giessereitechnik	Metal Bull.	Metal Bull.
Handbuch der Physik	Handb. Physik	Metal Construction and British Welding Journal	Metal Const. and Brit. Weld. J.
Industrial Chemist	Indust. Chem.	Metal Finishing	Metal Finishing
Industrial Heating	Indust. Heat.	Metal Finishing Journal	Metal Finishing J.
Industrial and Engineering Chemistry	Indust. Eng. Chem.	Metal Forming	Metal Form.
Industry Week	Indust. Week	Metal Industry	Metal Ind.
International Journal	International J.	Metal & Materials and Metallurgical Reviews	Metal Mat. Met. Rev.
Iron Age	Iron Age	Metal Progress	Metal Prog.
Iron and Steel	Iron Steel	Metal Science Journal	Metal Sci. J.
Iron and Steel Engineer	Iron Steel Eng.	Metal Treating	Metal Treatg.
Iron and Steel Institute, Special Reports	Iron Steel Inst. Spec. Rep.	Metal Treatment and Drop Forging	Metal Treat. Drop Forg.
Iron and Steel International	Iron and Steel Intern.	Metall	Metall
Izvestiya Vyssbikh Uchebnykh Zavedenii Chernaya Metallurgiya	Izv. VUZov, Cher. Met.	Metalloberfläche	Metalloberfläche
Izvestiya Akademii Nauk SSSR, Metally	Izv. Akad. Nauk SSSR, Metally	Metallurg	Metallurg
Jernkontorets Annaler	Jernkont. Ann.	Metallurgia	Metallurgia
Journal of the American Ceramic Society	J. Amer. Ceram. Soc.	Metallurgia Italiana	Metallurgia Ital.
Journal of the American Chemical Society	J. Amer. Chem. Soc.	Metallurgia and Metal Forming	Met. and Metal Form.
Journal of the American Society of Naval Engineers	J. Amer. Soc. Nav. Eng.	Metallurgical Reports C.N.R.M.	Met. Rep. CNRM
Journal of the American Water Works Association	J. Amer. Waters Assoc.	Metallurgical Review	Metallurgical Rev.
Journal of Applied Chemistry	J. Appl. Chem.	Metallurgical Transactions	Met. Trans.
Journal of Applied Mechanics	J. Appl. Mech.	Metals Review	Metals Rev.
Journal of Applied Physics	J. Appl. Phys.	Mitteilungen aus dem Max-Planck Institut für Eisenforschung	Mitt. Max-Planck Inst. Eisenforsch.
Journal of The Australian Institute of Metals	J. Aus. Inst. Metals	Modern Casting	Modern Cast.
Journal of Chemical Physics	J. Chem. Phys.	Modern Metals	Modern Metals
Journal of the Chemical Society	J. Chem. Soc.	Nature	Nature
Journal de Chimie Physique	J. Chim. Phys.	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	Traas. 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 Deustcher 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 Metallbüttenwesen	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		