

V 地球惑星システム学専攻
・地球惑星システム学科

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Das Kaushik

Chakraborti Tushar Mouli

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Jeonbuk National University

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Paleoenvironmental information from paleosol layers in Tetori Group Toyama Prefecture

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Evolution of elastic wave velocity during brittle deformation of gabbro and peridotite: Implications for the oceanic Moho reflection

Triggered tremor and stress disturbance by seismic surface waves

(Deformation mechanism of antigorite serpentinite from Sasaguri area, Fukuoka Prefecture and its temperature condition)

Aravalli-Delhi

Frictional melting process during formation of pseudotachylyte, Aravalli-Delhi orogenic belt, India

Jbilet Winselwan

Hydrocarbons in Jbilet Winselwan carbonaceous chondrite: New organic molecular indicators for evaluating the thermal metamorphism degree on the meteorite parent body

Role of benthic microorganisms in the formation of Paleoproterozoic banded iron formations

(Time variations in the Earth's background free oscillations and oceanic infragravity wave)

Yamato 000749

(Elucidation of aqueous alteration of Yamato 000749 based on multi-probe microscopy)

(Petrological and Geochemical study of magma activity of Sakurajima volcano)

Possibility of subsurface water in Mars verified from the angle of repose on talus

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(Investigation for magma genesis of Pre-Unzen and Unzen volcano, Shimabara Peninsula, Kyushu, Japan: the role of stagnant Pacific slab in the mantle transition zone, at the back arc region of Kyushu)

3

A numerical study on the dynamics of the subducting lithosphere and the water circulation in the whole-mantle convection

Tectonic evolution of the Paleo-Median Tectonic Line and the Kurosegawa tectonic zone inferred from zircon U-Pb geochronology

U-Pb

Seismic velocity structure of oceanic lithosphere based on elastic wave velocity measurements of core samples collected from the Oman ophiolite

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Gwalior	P. Chakraborty	
	Y. Lin (CAS)	
	S. Ghosh (IIT-Kharagpur)	
	M. Anand (The Open Uni.,)	
	, N. Satta BGI	
	S. Bose	Das Kaushik
	G. Ghosh	Das Kaushik
Kutch	S. Banerjee IIT Bombay,	Das Kaushik
Nagavalli- Vamsadhara Shear Zone Granitoid	S. Karmakar	Das Kaushik
Precambrian Basin	P.P. Chakraborty	Das Kaushik
CITZ G-T Shear Zone	A. Chattopadhyay	Das Kaushik
Petrochronology	Chang Whan OH (Chongbuk National University,)	Das Kaushik
Dharwar Craton	S. Balakrishnan	Das Kaushik
Phan-Si-Pham	P.T. Hieu ()	Das Kaushik
(Mg,Fe) ₂ SiO ₄		

H. Marquardt

km

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Sarkar D.P., Ando, J., Das, K., Ghosh, G. Meso-scale structures, lithological and geochronological variations across MBT in Gambarpul area, Himachal Himalayas. 126

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2019 2019 5 26 -30 8400 .
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Heidi Houston Interactions between
the intraslab earthquakes and episodic slow slips beneath Kii Peninsula controlled by fluid migration
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Kawazoe T., Heidelberg F., Miyajima N., and Ishii T. Cool lower mantle transition zone inferred from
seismic anisotropy of deformed ringwoodite 2019 2019
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Satta N., Marquardt H., Kurnosov A., Boffa Ballaran T., Buchen J., McCammon C., and Kawazoe T.
Single crystal elasticity of Fe-bearing phase E by Brillouin spectroscopy
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Water transport and mixing in the whole-mantle
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The Oman Drilling Project Phase II Science Party Oman Drilling

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Jude Coggon The Oman Drilling Project Phase 2 Science Party Physical property of the fossilized crust-mantle transition zone from ICDP Oman Drilling Project Hole CM1A and CM2B measured onboard D/V Chikyu 2019 2019 5 28

I. Benoit U. Ole H. Gilbert Z. Wenlu

C. Benoit H. Michell T. Damon G. Marguerite

M. Jurg C. Jude Science Party The Oman Drilling Project Overview of the physical property measurements, Chikyu Oman 2017 and 2018: Crust and Mantle sections from ICDP Oman Drilling Project Phase I and II 2019 2019 5 28

I. Benoit O. Ulven H. Gilbert Z. Wenlu

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M. Jurg C. Jude Scientific Party Oman Drilling Project Physical properties of the Moho TZ: Implications from ICDP Oman Drilling Project Phase I & II on-board measurements 2019 2019 5 28

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DAS Kaushik

Chakraborti Tushar Mouli

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(Elemental, isotopic and spectroscopic analyses of acid-insoluble organic matter in Jbilet Winselwan carbonaceous chondrite)

(Kinematics of North Almora Thrust from mylonites)

Al

(Effect of Al on high pressure hydrous phases stable in the mantle transition zone)

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(The water content of magma generated in the depth between the mantle transition zone and the uppermost lower mantle)

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(Developing programs for numerical simulation of the mantle convection)

(The role of microorganisms in the formation of spherical deposits)

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(Relationship between temperature of the mantle and core-earth radius ratio: consideration using a 2-D cylindrical convection model)

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(Shock recovery experiments of sulfate hydrates - jarosite)

(Structural Analysis of Montmorillonite under High-Pressure by X-Ray Diffraction)

(Trace element compositions of meteorites derived from the moon and asteroids)

(Search for biomarker molecules from Goshogake mud-volcano sediments, Akita prefecture, Japan)

U-Pb

(Comparison between Ryeongnam massif and Ogcheon zone, Korea and Tsuwano complex of Maizuru terrane, Japan, using zircon U-Pb chronology)

C0002

(Depth profile of frictional properties at the Nankai Trough C0002 drilling site)

U-Pb

(Geologic structure and zircon U-Pb ages of the Tsuwano complex of Maizuru Terrane,
Shimane Prefecture, SW Japan)

(Petrological and geochemical study of Quaternary volcanic rocks from Abu volcano
group, Southwest Japan Arc)

(Hugoniot of silicate under ultra high pressure by laser shock experiments of
Bridgmanite)

(Automatic Detection of Deep Low-frequency Tremors Using Deep Learning)

(Elucidation of Martian surface environment based on chemical species analysis of
manganese)

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