

**Subsidy Report per Person By Department**

**Sentrale Analitiese Fasiliteit : 2017**

**DU PLESSIS A**

**Journal Articles (subsidised)**

BROECKHOVEN C, DU PLESSIS A, HUI C. Functional trade-off between strength and thermal capacity of dermal armor: Insights from girdled lizards. *Journal of the Mechanical Behavior of Biomedical Materials* 2017; **7**(4):189-194.

BROECKHOVEN C	Plant- en Dierkunde	Author	1	0.33	0.00
DU PLESSIS A	Sentrale Analitiese Fasiliteit	Author	2	0.33	0.33
HUI C	Wiskunde	Author	3	0.33	0.00

AUTHOR PORTION: 0.33

BROECKHOVEN C, DU PLESSIS A, LE ROUX SG, MOUTON PLN, HUI C. Beauty is more than skin deep: a non-invasive protocol for in vivo anatomical study using micro-CT. *Methods in Ecology and Evolution* 2017; **8**(3):358-369.

BROECKHOVEN C	Plant- en Dierkunde	Author	1	0.20	0.00
DU PLESSIS A	Sentrale Analitiese Fasiliteit	Author	2	0.20	0.20
LE ROUX SG	Sentrale Analitiese Fasiliteit	Author	3	0.20	0.00
MOUTON PLN	Plant- en Dierkunde	Author	4	0.20	0.00
HUI C	Wiskunde	Author	5	0.20	0.00

AUTHOR PORTION: 0.20

SWART C, KHOZA A, KHAN K, LE ROUX SG, DU PLESSIS A, LOOS B. Investigating Basal Autophagic Activity in Brain Regions Associated with Neurodegeneration using *In Vivo* and *Ex Vivo* Models. *Journal of Alzheimer's Disease* 2017; **7**(4):1000337; 8 pages.

SWART C	Fisiologiese Wetenskappe	Author	1	0.17	0.00
KHOZA A	Fisiologiese Wetenskappe	Author	2	0.17	0.00
KHAN K	Fisiologiese Wetenskappe	Author	3	0.17	0.00
LE ROUX SG	Sentrale Analitiese Fasiliteit	Author	4	0.17	0.00
DU PLESSIS A	Sentrale Analitiese Fasiliteit	Author	5	0.17	0.17
LOOS B	Fisiologiese Wetenskappe	Author	6	0.17	0.00

AUTHOR PORTION: 0.17

**SECTION TOTAL:** 0.70

**SUB-TOTAL:** 0.70

**ENGELBRECHT L**

**Journal Articles (subsidised)**

PRETORIUS E, PAGE MJ, ENGELBRECHT L, ELLIS GC, KELL DB. Substantial fibrin amyloidogenesis in type 2 diabetes assessed using amyloid-selective fluorescent stains. *Cardiovascular Diabetology* 2017; **16**:141, 14 pages.

PRETORIUS E	Fisiologiese Wetenskappe	Author	1	0.20	0.00
PAGE MJ	Fisiologiese Wetenskappe	Author	2	0.20	0.00
ENGELBRECHT L	Sentrale Analitiese Fasiliteit	Author	3	0.20	0.20
ELLIS GC	Fisiologiese Wetenskappe	Author	4	0.20	0.00
KELL DB		Author	5	0.00	0.00

AUTHOR PORTION: 0.20

VAN DER MERWE C, VAN DYK HC, ENGELBRECHT L, VAN DER WESTHUIZEN FH, KINNEAR CJ, LOOS B, BARDIEN S. Curcumin rescues a PINK1 knock down SH-SY5Y cellular model of Parkinson's disease from mitochondrial dysfunction and cell death. *MOLECULAR NEUROBIOLOGY* 2017; **54**:2752-2762.

VAN DER MERWE C	Molekulêre Biologie & Mensgenetika	Author	1	0.14	0.00
Van Dyk HC		Author	2	0.00	0.00
ENGELBRECHT L	Sentrale Analitiese Fasiliteit	Author	3	0.14	0.14
van der Westhuizen FH		Author	4	0.00	0.00
KINNEAR CJ	Molekulêre Biologie & Mensgenetika	Author	5	0.14	0.00
LOOS B	Fisiologiese Wetenskappe	Author	6	0.14	0.00
BARDIEN S	Molekulêre Biologie & Mensgenetika	Author	7	0.14	0.00

AUTHOR PORTION: 0.14

**SECTION TOTAL:** 0.34

**SUB-TOTAL:** 0.34

**GUELPA A**

**Journal Articles (subsidised)**

DU PLESSIS A, BROECKHOVEN C, GUELPA A, LE ROUX SG. Laboratory x-ray micro-computed tomography: A user guideline for biological samples. *GigaScience* 2017; **6**(6):Article number gix027, 11 pages.

DU PLESSIS A	Fisika	Author	1	0.25	0.00
BROECKHOVEN C	Plant- en Dierkunde	Author	2	0.25	0.00
GUELPA A	Sentrale Analitiese Fasiliteit	Author	3	0.25	0.25
LE ROUX SG	Sentrale Analitiese Fasiliteit	Author	4	0.25	0.00

AUTHOR PORTION: 0.25

**SECTION TOTAL:** 0.25

**SUB-TOTAL:** 0.25

**LE ROUX SG**

**Journal Articles (subsidised)**

BROECKHOVEN C, DU PLESSIS A, LE ROUX SG, MOUTON PLN, HUI C. Beauty is more than skin deep: a non-invasive protocol for in vivo anatomical study using micro-CT. *Methods in Ecology and Evolution* 2017; **8**(3):358-369.

BROECKHOVEN C	Plant- en Dierkunde	Author	1	0.20	0.00
DU PLESSIS A	Sentrale Analitiese Fasiliteit	Author	2	0.20	0.00
LE ROUX SG	Sentrale Analitiese Fasiliteit	Author	3	0.20	0.20
MOUTON PLN	Plant- en Dierkunde	Author	4	0.20	0.00
HUI C	Wiskunde	Author	5	0.20	0.00

DU PLESSIS A, BROECKHOVEN C, GUELPA A, LE ROUX SG. Laboratory x-ray micro-computed tomography: A user guideline for biological samples. *GigaScience* 2017; **6**(6):Article number gix027, 11 pages.

DU PLESSIS A	Fisika	Author	1	0.25	0.00
BROECKHOVEN C	Plant- en Dierkunde	Author	2	0.25	0.00
GUELPA A	Sentrale Analitiese Fasiliteit	Author	3	0.25	0.00
LE ROUX SG	Sentrale Analitiese Fasiliteit	Author	4	0.25	0.25

AUTHOR PORTION:

0.25

DU PLESSIS A, YADROITSAVA I, LE ROUX SG, YADROITSEV I, FIERES J, REINHART C, ROSSOUW P. Prediction of mechanical performance of Ti6Al4V cast alloy based on microCT-based load simulation. *JOURNAL OF ALLOYS AND COMPOUNDS* 2017; **724**:267-274.

DU PLESSIS A	Fisika	Author	1	0.14	0.00
Yadroitsava I		Author	2	0.00	0.00
LE ROUX SG	Sentrale Analitiese Fasiliteit	Author	3	0.14	0.14
Yadroitsev I		Author	4	0.00	0.00
Fieres J		Author	5	0.00	0.00
Reinhart C		Author	6	0.00	0.00
Rossouw P		Author	7	0.00	0.00

AUTHOR PORTION:

0.14

GRINE FE, MAREAN CW, FAITH JT, BLACK W, MONGLE CS, TRINKAUS E, LE ROUX SG, DU PLESSIS A. Further human fossils from the Middle Stone Age deposits of Die Kelders Cave 1, Western Cape Province, South Africa. *Journal of human evolution* 2017; **109**:70-78.

Grine FE		Author	1	0.00	0.00
Marean CW		Author	2	0.00	0.00
Faith JT		Author	3	0.00	0.00
Black W		Author	4	0.00	0.00
Mongle CS		Author	5	0.00	0.00
Trinkaus E		Author	6	0.00	0.00
LE ROUX SG	Sentrale Analitiese Fasiliteit	Author	7	0.13	0.13
DU PLESSIS A	Fisika	Author	8	0.13	0.00

AUTHOR PORTION:

0.13

HAM H, DU PLESSIS A, LE ROUX SG. Microcomputer tomography (microCT) as a tool in Pinus tree breeding: pilot studies. *New Zealand Journal of Forestry* 2017; **47**:2, 8 pages.

HAM H	Bos-en Houtkunde	Author	1	0.33	0.00
DU PLESSIS A	Fisika	Author	2	0.33	0.00
LE ROUX SG	Sentrale Analitiese Fasiliteit	Author	3	0.33	0.33

AUTHOR PORTION:

0.33

MULDER R, MOHAMED N, DU PLESSIS A, LE ROUX SG. A pilot study investigating the presence of voids in bulk fill flowable composites. *South African Dental Journal (Journal of the Dental Association of South Africa)* 2017; **724**(10):P462-p465.

Mulder R		Author	1	0.00	0.00
Mohamed N		Author	2	0.00	0.00
DU PLESSIS A	Fisika	Author	3	0.25	0.00
LE ROUX SG	Sentrale Analitiese Fasiliteit	Author	4	0.25	0.25

AUTHOR PORTION:

0.25

SWART C, KHOZA A, KHAN K, LE ROUX SG, DU PLESSIS A, LOOS B. Investigating Basal Autophagic Activity in Brain Regions Associated with Neurodegeneration using *In Vivo* and *Ex Vivo* Models. *Journal of Alzheimer's Disease* 2017; **7**(4):1000337; 8 pages.

SWART C	Fisiologiese Wetenskappe	Author	1	0.17	0.00
KHOZA A	Fisiologiese Wetenskappe	Author	2	0.17	0.00
KHAN K	Fisiologiese Wetenskappe	Author	3	0.17	0.00
LE ROUX SG	Sentrale Analitiese Fasiliteit	Author	4	0.17	0.17
DU PLESSIS A	Sentrale Analitiese Fasiliteit	Author	5	0.17	0.00
LOOS B	Fisiologiese Wetenskappe	Author	6	0.17	0.00

AUTHOR PORTION:

0.17

**SECTION TOTAL:**

1.47

**SUB-TOTAL:**

1.47

## STANDER MA

### Journal Articles (subsidised)

BUICA AS, BRAND J, WILSON CL, STANDER MA. Evaluating South African Chenin Blanc wine styles using an LC-MS screening method. *Studia Universitatis Babeş-Bolyai Chemia* 2017; **II**(1):113-123.

BUICA AS	Wingerd- En Wynkunde	Author	1	0.25	0.00
BRAND J	Wingerd- En Wynkunde	Author	2	0.25	0.00
WILSON CL	Wingerd- En Wynkunde	Author	3	0.25	0.00
STANDER MA	Sentrale Analitiese Fasiliteit	Author	4	0.25	0.25

AUTHOR PORTION:

0.25

**SECTION TOTAL:**

0.25

**SUB-TOTAL:**

0.25

## TAYLOR MJC

### Journal Articles (subsidised)

STANDER MA, VAN WYK B-E, TAYLOR MJC, LONG HS. Analysis of Phenolic Compounds in Rooibos Tea (*Aspalathus linearis*) with a Comparison of Flavonoid-Based Compounds in Natural Populations of Plants from Different Regions. *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY* 2017; **65**:10270-10281.

STANDER MA	Biochemie	Author	1	0.25	0.00
Van Wyk B-E		Author	2	0.00	0.00
TAYLOR MJC	Sentrale Analitiese Fasiliteit	Author	3	0.25	0.25
Long HS		Author	4	0.00	0.00

AUTHOR PORTION:

0.25

**SECTION TOTAL:**

0.25

**SUB-TOTAL:**

0.25

**VAN HEERDEN CJ**

**Journal Articles (subsidised)**

LEISCHING GR, PIETERSEN RD, VAN HEERDEN CJ, VAN HELDEN PD, WIID IJF, BAKER B. RNAseq reveals hypervirulence-specific host responses to *M.tuberculosis* infection. *Virulence* 2017; **8(6)**:848-858.

LEISCHING GR	Molekulêre Biologie & Mensgenetika	Author	1	0.17	0.00
PIETERSEN RD	Molekulêre Biologie & Mensgenetika	Author	2	0.17	0.00
VAN HEERDEN CJ	Sentrale Analitiese Fasiliteit	Author	3	0.17	0.17
VAN HELDEN PD	Molekulêre Biologie & Mensgenetika	Author	4	0.17	0.00
WIID IJF	Molekulêre Biologie & Mensgenetika	Author	5	0.17	0.00
BAKER B	Molekulêre Biologie & Mensgenetika	Author	6	0.17	0.00

AUTHOR PORTION: 0.17

**SECTION TOTAL:** 0.17

**SUB-TOTAL:** 0.17

**GRAND TOTAL: 3.43**

SIGNED BY HOD : .....

NAME : .....

DATE : .....

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