

2022 年度
“机械工业科学技术奖”

提名工作手册

机械工业科学技术奖励工作办公室

2022 年 1 月

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机械工业科学技术奖提名书

(2022 年度)

一、项目基本情况

0 ~	5L -:		
Nfl-\$ CO&			
q?• ' F ð			
q?• ' F			
q N _c B			
IP <2- C O&	1	.7	
	2	.7	
	3	.7	
v 3"G5 # > P			
1 × \$~			
> 0 ¶A×H = OH, "Nfl-\$ CO& '5L - : CC»Eý 5 Nfl ,300 μ			
¾ DI _ , μ	¾ " < . AÜÝ . , μ		
Nfl-\$C! ,L*	C> : " >	' F: " >	

jà J0 °_

Æ . Ô

二、项目简介

· CC>Eý 1 N« μ

三、主要科技创新

· CC»Eý 10 N« μ

四、客观评价

·CC»Eý 2 N« μ

1. $\eta eAce - \hat{U} > \quad B_i, \% PF? >$
 " 'Nfl-\$8) G j $\hat{U} b$ 3+g > ?CzC^,"1b ? i p " 0 >," ? " » ·2019 " 3 >

31 D $\mu \eta F \hat{O}$ — L $\eta eAce - A \div D$, L 3 i4Y. '0 $\eta A \times H N fl - SP' I$
 $\hat{U} >$

H" —A ÷ 4ce4yH" —	_____	U ~	_____
Ace - \hat{U} 4ce4yAce -	_____	U ~	_____
P' I \hat{U} 4ce4yP' I	_____	U ~	_____

2. 0 $\eta \hat{a} \hat{u} > \quad B_i >$
 $\beta = A \div D$ +g 3 i-. 'G L fl ük >? $\hat{a} z$ C^," p " 0 >," ? " » ·2019 " 3 > 31

D $\mu \eta \hat{a} \hat{u} >$
 0 $\eta \hat{a} \hat{u} \cdot 3 \gg \mu$ 0 $\eta \hat{a} \hat{u} \cdot 3 \gg L \mu$
 $\hat{a} p$ " CO& ~ _____

五、推广应用情况、经济效益和社会效益

1. $\mu + \beta \cdot L$
2. $N \ll \mu$

2. F ? "-* Ū # ~- . = ü E¥O 2-Nfl-\$ % C ¡! E μ			
" 3	æŌ6 dNÓ	æŌ_#Ü	æŌD I
2019 "			
2020 "			
2021 "			
3e Ax			
5 # ~- ," ? 'B* D : E-\$,"Ax1" Ó/ ~L 500 μ			

3. /t P -- DL* Ū # -- .L 800 μ

八、主要完成人情况表

C] a		" C	1b ' F ð
O+U " >		O+U f		"G	
DÆ 3A÷ -		#t		3 2	
> u6 x		e \ 3 ð		3 ,L*	
		6 31+kB			
FPAå f v					
+k 1ç				01 ð-kB	
" P W		" P ,L*		%o LOA Ü	
¶ e6 O&		I P = IKµ		6Q	
49í ç 9 @¿O& - ß °					
† ÖbNfl-\$,"C)! ,L*	8				8)
/ bNfl-\$ q?•O ¶ eCW)d ˘L 300 µ					
<p>声明:</p> <p>1. B Nfl-\$ e b ð b " ÜÆ C," e 6Nfl-\$ > b ð B E q?• ' F ð " C ,< / C » i G Lz , 'F > ... x , A÷v Ñ" ? ' ˘-U Ô? ~ , J C ^F -.'# `# ?œ °(å ð Äü Ýy," ß > b ð (. ¿ b ðÆ C ß ° J 8Aä> , Ý+U ¿Aä , < O% •G >B9 :* < ></p> <p>2. b ð1\ > pNfl-\$ ' F ð"?•"x , C ˘ ç x † E c ðG § ' 3 ç x # F 1x* <," ð ></p> <p style="text-align: right;">b ð1. C ˘</p> <p style="text-align: right;">" ></p>					

八、主要完成人情况表

·F8+^ ~ \$e%Ø & f p L 32 ' F ðμ

C] a		" C	1b ' F ð
O+U " >		O+U f		"G	
A÷ , -				32 / f p	

九、主要完成单位情况表

CO&		v ^ f	
" C]C^	
6 31 ð		6 31+kB	01 Þ+kB
FPAå f v		Fä u5L.7	

/ bNfl-\$ ¶ e Q æ ´ +^,"CW)d ˘L 600 µ

十、提名单位意见

C		FPAå f v	
6 31 ð		Fä u5L.7	
6 31+kB		+k Fälç	
<p>1. C E?÷ ~ · C G ~ 300 μ</p>			
<p>2. C O ~ C1 4Ý~ C O ~ _____ C1 4Ý~ _____</p>			
<p>& D ~ b F« ¾E c 3 p æ PO ¶ e ç ` F," ? 'æ — , μBOF« ¾æ x 4à ` ,v Ñ" C ~-U Ô? ~ ,JC ^ 1 F E c 3 ðG § ´ 3 ¾3 iO ü# F ´ EO ¶ e ü?æ — F1 -. '# `# ?æ °(â ð Äü Ýy," B > ,>Æ CNfl-\$ +U ¿Aä , <O% ·G > , ß9 :*< ,AÚU > p C ," x< μB-. °," CY 1 ></p> <p style="text-align: center;">C · ç1μ</p> <p style="text-align: right;">" ></p>			

十一、附件目录

· 6 $\mu\beta = Lz$,

1. $\eta eH'' - \cdot LAce - \mu A \div D >$
2. $0 \eta \text{æ}\hat{U} >$
3. $\text{ö}\# \hat{U} >$
4. $n \text{ø. A}\ddot{u}\acute{Y}y' = \ddot{u}\text{œ}991 A \div D >$
- 5.

《机械工业科学技术奖提名书》填写说明

Epæ PO ¶e C F epæ PO ¶e Acæ x" O.v %o , ´ q?·
 Acæ xÓ/ , ° [r ?' pæ PO ¶e ç Ôç Ú E2022 " Üpæ PO
 ¶e C FP. F ?·"x , ? C ?œ —," r E =E-\$ v M =N,"?·"x , , Ô=
 M j ~ >

Epæ PO ¶e C F ;"+k (~ C ´4îC^ C ZO E >
 +k (~ C ;" q , ·1b 68)1b wG < µ´Lz , ·1b w 6G < µZG < ,M6
 ??·"x,-L|5 5 315 ·www. cmiao. com. cn µ ^4l j ~ ´ @ V-. 'Lz , ~ >
 4îC^(~ C ;" q , ·1b 68)1b wG < µ´Lz , ·1b w 6G < µZG < , q
 ,G <,"N«EiD) : 3.0cm ,@ A : 2.8cm· C315 Ñr AE‡ W µp üµ ,
 ! %o %o µ+^ 5` E - , D C E ~ 18.β >=N,´ 4> %o r E OAä U =
 ` p q > q , ^315 c j ~ ´ " D ,-* ÚAE‡ PDF r E f ! E(~ ; a"j f ´
 .7 µ, M CL ,4î V?œ r A4,1 G Ý>BAØ> Lz , CM6 315 c f >
 C q , Lz , >AØb 6 E Z 3 , < c 6 ´ " ~ BN- e Ö, . ´ F
 - 1 N« = C 1. - 1 N« = ´ F ð. N« = q?·. AüÝy ´ = ü?œ991 -\$ 1.
 N« µ, Ö, ^) @@ =# Ö, m > Epæ PO ¶e C F>BAØD
 M6 Lz Ö7M , 6 =Nfl-\$ O b β ° pOìN« >

j ~ > ?·"x , A ~
 6 =Nfl-\$ O b β °
 I PAœ x4œ o / bNfl-\$ v I PN... , ? pæ PO ¶e : I PAœ x4œ
 Acæ x99 * ,+g315 o / C j ~ , "1b 6 ' I P <2- CO& ,8 †+U F >
 O ~ < p ¶e D ´ O ¶F ! Z ' O ,&i 1+i ÛM> F? E c,"
 O 2- a8 †j ~ >
 5L - ~+g315 8 †+U F>
 Nfl-\$ CO& CC»Éy30 ´ > ° 3] ü *5 Nfl-\$ n ø Q æ» i , 1¶ D = ü / f
 V ONfl-\$, ¶e » i ´ (fl · >
 # ~ = ü2-Nfl-\$ °-* Úµ+^B = ü E 9," CO& , < =# = ü - , , E h h
 h = ü · = ü - h h h µF >
 4 =0 ¶ U @ DO /2-Nfl-\$ °-* Úµ+^B 4 = U @," CO& , < Ö C - , D
 Ö" - = D1b (~ · > µ, , E h h h F ·1b h(~ µ >
 q?· ´ F ð ~ +g315 o / j = q?· ´ F ð β ° > 8 †+U F >

q?• ´ F ~ +g315 o/ = q?• ´ F B °> 8 þU F >
 qN¸B ~ ? E 3 ì" B# qN¸B > F j ~ 3 8)7 ' D CNfl-\$ ¶ e » ì ü =-. '

, " qN¸B , " 'B B#L* ° Ö“ ´ - > , C/ — % C j! Nfl >

I P <2- CO& D .7~ eAœ x c/ — I PAœ x4œ =F" F? I ì," q?• Ó/ ,
 ° q?•O ¶ Q æ v#¿ O ,"H ?•OA Ü N° ´ j ~ ,&ï 1Nfl-\$ O b B °N«M,"

I P <2- CO& F? E c," > CO&8 þ j ~ , / — I PAœ x4œ j ~,"1b 6 '

<2- CO& p Ó/ >

ð ¶ e Q æ- = = ü DE¥O = ö# 2- = 4 =O ¶ U @ DO /2-Nfl-\$ j ~

,"1b 1 ' O <2- CO& ° p < v ^ I P4œ," .7 ,1b 2 ' O <2- CO& % j ~-. '

," I P O ì G > ð ¶ e Q æ-Nfl-\$," I P4œ .7 p 12 ´ = ü DE¥O = ö

2-Nfl-\$," I P4œ .7 p 13 ´ 4 ¶ U @ DO /2-Nfl-\$," I P4œ .7 p 14

v 3"G5 # > P ~ ^315 cF? -. °L 2- >

1 x \$ ~ ~ ^315 cF? -. °2- a , % PF? >

> O ¶ AxH = OH ,"Nfl-\$CO& ´5L -~ CC»Eý300 > Nfl-\$ ·B4N¸ µ° (5

N¸ > o / D bNfl-\$,"3] üOA ÜN° ´ j ~ , CC»Eý 5 Nfl >

¾y D I _ , µ ~ =-* Ûe 7 bNfl-\$O ¶ Q æ » ì F1 ," (¾y D I _

f >

¾y," < . Aü Ýy · , µ ~ =-* Ûe 7 bNfl-\$O ¶ Q æ » ì F1 ,"L D I

_ L < ¾y,". Aü Ýy f ,, Ô ^ æ I _ =L?!AôAxI _ = Ax1" pE¥ ;: y =

Lü F+kD% 9 4AôAx y1 >

Nfl-\$C>! ,L* ~ C> ,L* =1 Nfl = 1 x AEô = > B1·5x1 = Nfl-\$ 6 J , "

,L* ´ ´ F ,L* =Nfl-\$ " ¶ eOì!W ° + ^," ,L* , # 2ô/ f , " ,5 6 j ~

"1 >

´ =Nfl-\$1¶

CC»Eý1 N« >H &ï 5 Nfl-\$,"H ?•] ´ E =1 Nfl7 ¥ = q?•O ¶ e » ì =

¶ e5 # = = = ¾y. Aü Ýy B ° =5 # ~- ´/t P ~- , øF > PO ¶ F !

+^1 >

? = q?•O ¶ Q æ

CC»Eý10 N« >" q?•O ¶ Q æ e CNfl-\$," n ø » ì , eAœ -Nfl-\$ =F" F?

I ì = :*< 8Aä" q?• Ó/ > q?•O ¶ Q æ ° o/ C ç2- a," C B j ~ q?• ¶

e D&ï L q?• Q æï < q?• » ì ~

1. ¶ e D ~

q?• ¶ e D&i ~ Ø† =-U Ô= ü/ fLFF&Nfl-\$ ¶ e » i c ð'x?," = > ?
 QFV]," 'Kd = n ø ¶ e > ¶ e D&i ?H ?•OA Ü" ~ , < = D ~ - >
 q?• » i ~ *5 Oì Q] = ~F] ' ¶ e - r / : D&i," » iF > LFF& , ; "
 Nfl-\$ ^ ¶ e Ô< L O.v] =n ø] ¶ eL\$N, @ " , "O•j AðA÷ ÔP'5 Ò, Ø† =
 B Ôf /" 3 » L B2- ¶ e," q?• † f , " Nfl ¶ e D ^LFF& °Oì ~B* D v , "
 O <2- CO& ' e 7 < F1 , " ðy. AüÝy > n ø D&i BN- " ðy. AüÝy >
 2.0 ¶F ! ~

q?• Q æi ~ Ø† =-U Ô= ü/ fLFF&Nfl-\$ > ? QFV]," 'Kd = n ø ¶ e > Q
 æi ?H ?•OA Ü" ~ , < = D ~ - >
 q?• » i ~*5 Q æ] = °+^ ~- '5 # /t P - r / : Q æi," » iF > LFF& ,
 ; "Nfl-\$ ^ ¶ e Ô< = 'Kd ¶ e L6;315 LüF @ " , "O•j AðA÷ ÔP'5 Ò, Ø
 † =B Ôf /" 3 » L B2- ¶ e," q?• † f = ~- = 8 p1 ; Ñ, < M D q?•. Aü
 Ýy ' = ü?œ991 >" Nfl Q æi ^LFF& °Oì ~B* D v , " O <2- CO& >
 = Ø† Ace -

CC»Eý2 N« > *5 Q æ] = °+^ ~- '5 # /t P - rF > Ø† =-U Ô= ü/Aœ
 - > j ~," » i?• ? Ø† Ó/ , q?• » i ; "H" —5 Að LAœ -5 Að , P' l E?÷ ' ¶
 e ðP' .B P' µÛ 5 Að' 3 » L B> ^H ?• e @ (= e l: 'H ?• 3L { e
 PAä ¢ 6 > , " e]Ace -] E?÷1 >M ¢ 6Cz ~ . /÷ ð 31 µC73 pAce -
 5 Að Ó/ >

1b ? iAce -> rB- , Ô† > j ~ ,4œ4ý , " CO& ° D v- ¢1 ' 68* ,
 U j ~ Û O > ,L* > , Ò60 2- ` Û ? P ' ,B- j ~ U 6 æ L6;4œ4ý
 4Ýa * y 7," >

° = bµ °+^ β ° =5 # ~- 't P ~-

1. bµ °+^ β °

CC»Eý2 N« > ° gNfl-\$,"+U Ý = °+^ = bµ β ° N" U °+^ ¥1 F > ,F& ,
 < Ñq?• °+^ B 4üβ ° , < M> i EB* D >

q?• °+^ β °

-	CO&	°+^," F Ò	°+^ /B ?œ W	°+^C>! ,L*	°+^ 6 31 ð / +kB

2. F ? "-* Û # ~- , ?> r E-\$ j ~ . CC»Eý 500 µ > E c j ~ , "5 #
 ~- f ° Úe 7 f / F1 , " ÷A÷ ~ , , ~OD xG L O >,"OD xA÷ D = ' F

CX xG L n ü O >,"CX xA÷ D1 ,?"x j ʼF ? " bNfl-\$ (" ,-* Ū # ~
- >
: E-\$,"Ax1" Ó/ , ° g+U ÝL °+^B Nfl-\$ D Ý+U,"-* ŪeAxö Ô--
Q Ý÷C^H = Q Ø P+U Ý%01 iM O1¶?•B* D , < > M O b> v j :Nfl --
NÓ'Ax1" i# 'Ax1" Ó/ >
3. /t P -- DL* Ū # -- . CC»Eý 800 µ > =Nfl-\$ ^ P⊙ ¶ eF ! =
Ū 'lCz\$~ L+U 7)â„ = Q 3"GO %0 L3VC^ = / - ð 1 iM vC>," +^ ,
Nfl-\$ °+^ PµD , bNfl-\$ q?• ʼ F L Ý+U,"5 # -- >
£ = bNfl-\$ 49íO ¶ ç B °
“ bNfl-\$ 49íO ¶ ç B ° ° , Ôj ~ AO ¶ ç B ° ~
1. -7·8 "æ p µ-*Eì 8 AxH M 8 ð'G u Ò, 3 xL ? 'G L 1 Aôl ,"O ¶
ç
2. ^ 3 iO ¶ e ç Ôç Ú= ~,"/t P ÑH O ¶ ç >
9 = n ø. Aü Ýy ʼ = ūœ991-\$
j ~-* Ūe 7 bNfl-\$ q?• ¶ e D&i L q?• Q æi J (fl üL ¾y," q?•. Aü
Ýy ʼ = ūœ991 A÷D ~ , ; " D I _A÷ = Ô^ æ I _ = L?lAôAxI _ =
Ax1" pEÿ ,: yA÷ = 3 i > P = ül > C ¶ e D Nfl-\$," ? ʼ F ð
° p v M D I _," D ð 6 > D ð = y _ ð } C eNfl-\$ ʼ F ð" I _ C " M
>
v M. Aü Ýy y § ?," , BN- • " ' M Nfl-\$ q?• ʼ F ð" y _ ð · D I
_ = D ð µ B E , < +gNfl-\$b 6 ʼ F ðl. /AÜ >
j = q?• ʼ F ð B ° > · \$e%0 & f p L 32 ʼ F ð j ~-. ° > r µ
“ q?• ʼ F ð B ° > eAœ - ʼ F ð e \ > =9í „, "H ?• Ó/ , ° ? > r
?•"xFFNfl j ~ >
“ C D ¾ ð f ~ ʼ F ð ?' CW)d] E " ~ > ¾ ð f ?' 64p9í 1 4Ý8 p
' , 61 ¾ ð f CC»Eý 15 ð , ʼ1 ¾ ð f CC»Eý 10 ð , ?1 ¾ ð
f CC»Eý5 ð >(fl1 p 61 , "(fl ` , ¾ ð f CC»Eý 30 ð >
DÆ 3A÷ - ~]L| {"G j ~ 3 » {"GDÆ 3A÷ - · 18 µ , DÆ 3A÷ - e E x ,
q?• Ó/ ,B- xB/AÜDÆ 3A÷ - ü/ B% >
A÷ , - ~ \$e%0 {"G j ~ O~\$e L%0L {"GDÆ 3A÷ - · &\$· {"G ° Ñ&\$· {"G
¶]L|FP> A÷L c ð'G § ʼ 3 &\$· {"G { A÷C f , , "x? @F&A÷ , , % Ñ
&\$· {"GDÆ 3A÷C f , ʼ L2 ð j ~ Ú - >

~ o / ð ` '31 j ~ ' F ð)æ , " (F6 G, " j ~ F6 G , "

' ^ 3 L , " , j ~ 3 L >

+k 1ç 'O1 Þ+kB ~ j ~ -U Ô? ~, " 6 31 i E , / 73 , Ûl-. 'FP. >

† ÖbNfl-\$, "C! ,L* ~ C> ,L* ° ^ bNfl-\$C> ,L* D ,5 ,L* o / Ô

L{ B ° j ~ , CL ~ bNfl-\$ ' F ,L* >

/ bNfl-\$ q?•O ¶ eCW)d~ CC»Eý300 , ° > ~ D ' ð /Nfl-\$ QFV] ¶

e » i O, "CW)d # D / ° ? = q?•O ¶ Q æ v M1b Nfl Q æ i L D&i ,

e 7 b ðCW)d F1 , "A÷D ~ ^Lz , c, "5L - >

~ ð Q æNfl-\$ v ? ' F ð)N- p ðÆ 3 ·M6 Ñ-g Ø Æ L N• , " ¶

A÷ = ¶ >A÷ =Q 4Ý¶ >A÷1 µ , J CC»Eý5 ð >

= ü2-Nfl-\$ j ~, " q?• ' F ðN- ^ (5 9, " = ü%o b @6 c, " q?•5L ~ ð

C M ,E¥O 2-Nfl-\$ j ~, " q?• ' F ðN- DJO< Û c, "5µ C 68* >

4 =0 ¶ U @ DO /2-Nfl-\$, " q?• ' F ð° e ~ ·1 µ / 4 , "5L f O-*

ÛQFV]CW)d, " q?• 6; = q5L =CY 15LE'1 ,N- D! E O(~(, " 7M · @6 µ

(~ yN« 68* ·2 µ /O ¶ U @, "5L f O-* ÛQFV]CW)d, " q5L = q5L =CY 15LE'

1 ,N- ' U @(~ yN« 68* >

Lz , v M ¶ e F ðH" — LAœ - Þ' l Û 1 , " l i4œ F C73 pNfl-\$ ' F ð>

& D ~ ^AÚUL;B1 & D » i D ,+g b ð ^4îC^ ~ b ðl· C :1· C ,?"x

µ+^1· 1J , F/\$; f %EÁÚ, C "#, o > · 1· C, " ?ü p E x C > r , C ¾

* < µ >

= q?• ' F B °>

" q?• ' F B °> e n Ô CNfl-\$ v M ' F e \ > =9í , "H

?• Ó / , j ~ ° ü / B% >

CO& ~ v M ' F ° p# ð ,?"x v j CO& p O& , < D

¢1 CO& ' 68* , C ~ µ+^1¶O& >

~ = ü2-Nfl-\$ j ~, " q?• ' F N- ^ (5 9, " = ü%o b @6 c, " q?•5L

~ M >E¥O 2-Nfl-\$ j ~, " q?• ' F N- DB4N,JO< Û cB4N,4œ C

O& 68* > 4 2-Nfl-\$, " q?• ' F p q?• 6; v ^ ·1b 6 ' F µ = O(~

/t >

" C ~ q?• ' F ?CW)d] E ~ , ¾ f ?' 64p9í 1 4Ý8 Þ

' > 61 ¾ f CC»Eý 10 ' , '1 ¾ f CC»Eý 7 ' , ?1 ¾

f CC»Eý 5 ' >(fl1 p 61 , "(fl ` , ¾ f CC»Eý 20 ' >

/ bNfl-\$ ¶ e Q æ´ °+^,"CW)d ~ CC»Eý600 , , Ô´ D b / CNfl-\$
 O," q?•CW)d >
 & D´ AÚUL;B1 “ & D vF& » i ,4îC^ ~ ° ^ “ .# ðç1 µ : Ö
 - # ðç1 . ç1 ,” ?ü p E x C > r , C ¾ * < µ >
 w= C E?÷
 “ p æ PO ¶ e Ô C l > > = CCzC^,” p E c 3 p æ
 PO ¶ e ç ` F c v D/,” > >
 C E?÷~ C G ~ 300 , C °AÚU xL; C ~ = n Ôv j
 ~ e \1\ >?•"x D , o / CNfl-\$,” q?•O ¶ Q æ= ¶ e5 # = = = øF > PO ¶
 F ! +^ ´ °+^ B °1 , < Ó / E c 3 p æ PO ¶ e ç ` F c D/,” ¾
 , , ~ D > C E?÷ >
 C O ~ < pO ¶ eF ! = ¶ e D Z2- , o Nfl-\$ Ô { B °F? >
 C1 4Ý´ < p 61 · a(fl1 µ 61 L ´1 ´1 ´1
 1 L ?1 ?1 } % 6 ´F?Nfl >
 F? 61 · a(fl1 µ ,”Nfl-\$ C73>Æ ¾¾´1 L ?1 ´F? ´1
 ,”Nfl-\$ C73>Æ ¾¾?1 >
 , ÔÛ v ?1 4Ý, %F? } % F?Nfl >
 & D´ ^/AÚ C ~ Ô<B 4üL;B1 “ & D vF& » i D , ^ C : Ö
 - C ç1 >
 , ÒeQ W Æ JL v =] ` 7 PLü CM6 O J q1xG L CUCY ð1. ,
 < Ö ç1 >
 w6 = q?•Lz ,
 q?•Lz , ; " B =Lz , ´ < Lz , >Lz , @ V+k (~ , , ?•"x Ñ JPG r E %o
 , , q f CC»Eý 80 ´ ,4îC^Lz ,A÷D ~ ° D @ V,“+k (~ 68* >
 = ü2- = 4 =O ¶ U @ O /B1(1 Nfl-\$F N- Ñ! E O(~ („OÏN« = (~
 yN« ?• C f , >E¥O Nfl-\$M6 ÑJO< Û 64pOu 7M =-\$ 1¶ 1 > >
 ?•"x?÷ ~
 1. ð ¶ e Q æNfl-\$ C> {?•"x
 2. = ü DE¥O = ö# 2-Nfl-\$ C> {?•"x
 3. 4 =O ¶ U @ DO /2-Nfl-\$ C> {?•"x

工人技术创新项目提名补充要求

1. 99 * C ,

99 * ~

q? ; " p æ OA =+k"J OA D8 PL1 p æ P-. 'N... »+U Ý7 P 64l ¶

e ð ^+U ÝÔ {EýOA c oF ¶ e Q æfl-\$ >

C , ~

B Nfl-\$! f C , BN- °+^% 2 " , J ¿ ` { +U >

C ð ¶ e Q æceNfl-\$? "x v ? ´ F ð BN- e 64l ð ,N- ÑØ Æ L N•

," ðÆ 3A÷D ~ (¶ A÷ = ¶ >A÷ =Q 4Ý¶ >A÷µ ´ F ð q f CC»Eý 5 C >

´ F BN- e# ð , C73 < , =E L*1 +i Û>

C,"Nfl-\$ BN-F ? "9í "EýLü ¢ . L-74ÝÔ ¶ F ÒQ æF Òµ 61 . L

H µ-. 'A÷ pLz , @ V >

2. # E `Nfl

" ðÆ 3A÷D ´ 9í A÷ p BN- Ñz , ,5 6 ^ Lz , @ V - ¶ eAce

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¢1 ,5 6 ^ Lz , @ V- °+^A÷D F > j @ V >

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?H ?•OA ÜÓW j @ V8) Lz , @ V- < A÷D , < < %o , =N, o p-. ° CO& >

标准与软科学、检测类项目提名补充要求

1. 99 * C ,

Acc 99 *

q? ; " p æl... , " = ü2- =E¥0 2- B P' ö# 2-JO< F Ò>

C , ~

· 1 µ = ü2- F Ò ~

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! f C , +g G 3 q 2C>9 =3L{ = ü4œ4ý 92 " @· a 2 " µ=5

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· 2 µE¥0 2- F Ò ~

p pPØ1 O L '1x<)æ L , øF O ¶ e =5 # D/t P B9 [H

?·," +^ ,/t P -- t: ·

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4ý,"P' I ' .JO< F Ò>Æ ? ' x =%o1 =Að%o = 2 K+^ L>Æ ? 'G L Gy4Ø = µ+^ ,

< Ý+UE, ‡," -- L> P \ P +^ >

2. M6NÓL Ñ"Lz , ~

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CE¥0 2-Nfl-\$N- @ VE¥0 .JO< Û 64pOu 7M =-\$ =1¶ ,

> B P' IA÷D+k (~ , < Ñ 2 4îC^ .JO< Û >

图书、科技期刊与科普类项目提名补充要求

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99 * ~

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O ¶ U @2- ~>β = IFV PN... ? 6 - § Ñ" e2- = ¶ e2-O ¶ U @ >

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Lü = :2-")5L ' [:O "H" = C ' \61B (~ KF 4 >

2. C ,

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V p q?·E† , " c %o 4 O / 4 =O /+k O(~(=O ^N) I ÷ , < O(~C^

H ' f m>β]C^H ° 1\ > 3 ì E O(~1x* < ' Æ 4 C^H 1x* <?œ - F E+k O

(~(1x* <?œ - F v?œ -, "-. '?·"x ' .

·2 µ C,"O / ÷° . AüÝy\$; f ,1\ >: y# , " ? ' ?œ - ' .

·3 µ ' ! f C , O(~ ,L* ^ 1 " @ = 5 " »· (~ yAæ , " O(~ "

3 p üµ

·4 µ < ' O(~," F 4 LO /B1(, F 2 p 6Nfl C , C " < c

6 ')" C '] , " P > b 4 BN- ^ OU D † Ö C ' " Q % p 60

C , % < c 60)" C , | BN- %o 5 " Q , ° ' .

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1x* <?œ - F ' E Ü† U @C^H 1x* <?œ - F v?œ -, "-. '?·"x ' .

·2 μ2019 " 1 >1 Q Ô, < J 2019—2021 "F 5# ? " O(~ B °! n ·

·3 μU @ @(" C , C < c 6 U)" C >

3. M6NÓL Ñ"Lz , ~

· 1 μ lAœ 4 ~

@ V 7M =-\$ (~ yN« ' +g lAœ 4 O(~ O >," E 4 DO /2- lAœNfl
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^ I ì C E?÷ ·Lz , 5 μ c)"1 j ~ , q?• / ¶ e » i Q æ /t P § Ñ
1 ìM F > > F& > C " j ~ D1· C ,1· C D," I ì C E?÷ pLz , @ V >

< A÷ ~ ~ = 3 » LH ?• O(~(c K+^ =Aœ -B 4 =+k O(~(," ~
C f = f , , B ÷" » i>Æ < V a ì E μ+^," A÷ ~ >

ÛF7 lAœ m 2 >

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@ V 7M =-\$ (~ yN« ' +g lAœ U @ q Ô O >," E U @2- lAœNfl-\$ q Ô
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< A÷ ~ ~ = 3 » LH ?• O(~(c K+^ =Aœ -B U @ < 9í B °,"

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ÛF7 lAœ U @2 · N- ÛF7 2019 "1b 1 U =2020 " 6 D 1 U =2021 " 6 D

1 U § 3Uμ

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附件 1

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附件 2

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附件 3

期刊类参评项目主办单位意见表

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附件 4

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提名专家意见

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b ð« ¾E c 3 p æ PO ¶ e ç ` F," ? 'œ — , μBOF« ¾Aœ x 4à` ,
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